

**CATALOGUE No. 26**

**STANLEY**  
**RULE**  
**AND**  
**LEVEL**  
**COMPANY**

**AUGUST, 1900**



CATALOGUE No. 26

AUGUST, 1900

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## A MECHANICS' POCKET BOOK

OF

U. S. STANDARD RULES  
PLUMBS AND LEVELS  
IRON AND WOODEN PLANES  
TRY SQUARES AND BEVELS

AND MISCELLANEOUS

IMPROVED WOODWORKERS' TOOLS

---

MANUFACTURED BY THE

# STANLEY RULE AND LEVEL CO.

FACTORIES AND GENERAL OFFICE:

NEW BRITAIN, CONN., U. S. A.

NEW YORK OFFICE:

107 CHAMBERS STREET, NEW YORK CITY

*This 1900 Catalog No. 26 was reprinted by the Midwest Tool Collectors Assn.  
from an original in the collection of David E. Heckel of Charleston, Illinois.*

TO THE USERS OF "STANLEY" TOOLS

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IN publishing this catalogue, it has been our purpose to present to the users of our tools a hand-book giving specifications of and information regarding certain of our tools most generally used.

It will be noticed that no prices are given in this book. We take pleasure in referring the reader of this catalogue to his regular hardware dealer for prices. If you cannot obtain these goods from local dealers, communicate with us, and we will be pleased to put any one interested in touch with dealers in his locality who carry a stock of Stanley Tools. It is needless to explain that dealers carrying tools in stock are in a position to reduce transportation charges to a minimum.

This company has been engaged in the designing and manufacture of Carpenter Tools since 1857, under the present name. For several years prior to that time the same business was carried on under other names.

We are thus enabled to manufacture and offer tools which embody the study of half a century devoted to their design, both as regards the results which may be obtained with them and for the best methods of manufacture.

We are frank to state that the design of many of the special tools which we show originated in the suggestions of our customers. We are always pleased to receive suggestions from the tool-user.

We feel that the tool-user appreciates the fact that a cheap tool is not always the cheapest in the long run.

Stanley Tools have never been known as "cheap tools," neither have they the reputation of not showing "value received." We feel that the fact that to-day we are giving employment to between six and seven hundred employees is an endorsement of our policy to furnish the best goods at the lowest possible price for tools of such quality.

Many tools which in the past have been too expensive to find their way into every "tool-kit" are now being made by such improved methods and in such quantity that it is possible to sell them at a price that makes them available to all. All our tools are guaranteed. If any Stanley Tool which has passed the rigid inspection given it at our factory before shipment should show any defect due to the fault of the manufacturer, such tool, if brought to our notice, would be replaced without any cost to the owner.

We call particular attention to the fact that, in ordering parts for Planes, the number of the Plane should always be given.

We trust that the tables given in the last pages of this book may prove of value to the person into whose hands the book comes.

With thanks for the favor which has been shown to our tools in the past.

STANLEY RULE AND LEVEL CO.

AUGUST, 1900.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

## RULES

THE value of a Rule consists not only in its being made of correct length and with accurate graduations but also in its liability to remain correct.

The Stanley Rule is made by such improved methods that it is originally absolutely correct. The fact that all Boxwood used in the Stanley Rules is sawed into shapes, and left to season from eighteen months to two years before being made into finished Rules, insures against change, and herein lies our claim for the superiority of the Stanley Rule over all others.

In Rules, as in all tools, a saving in the first cost is not an economy. A Double Arch Joint Bound Rule, for instance, while it costs only say five times as much, will outlast a dozen Round Joint ones, and will be a source of satisfaction to its owner all the time.

We use nothing but genuine Ivory and Boxwood in the manufacture of our Rules, and all are warranted.

In the following pages, in addition to our lines of ordinary Rules, we show several of our special Rules, which we trust will be of interest to the reader.

We can furnish to order any of our Standard Rules marked with Metric Graduations, or with inches on one side and Metric on the other.

We can also furnish any of our Standard Rules with "English Marking" if desired, that is with the numbers running from right to left.

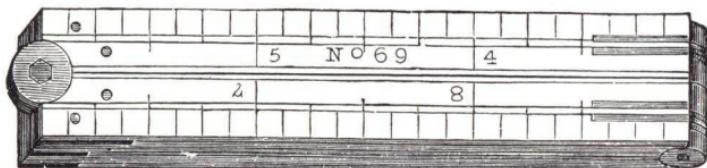
It will be noticed that many of our Rules are specified as having Drafting Scales or Octagonal Scales.

**Drafting Scales** are used for laying out work or reading drawings where a scale of  $\frac{1}{4}$  inch,  $\frac{1}{2}$  inch,  $\frac{3}{4}$  inch or 1 inch to the foot is found convenient.

**Octagonal Scales** are used to lay out Eight-square work, from 1 inch to 24 or 34 inches diameter.

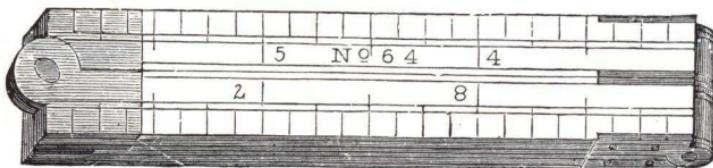
First, outline on the board, or stick, a square diagram of the dimensions wished for. The Scale marked M (Middle) is for setting a pair of Dividers from a point mid-way from the two corners of any one side of this diagram. The Dividers, when thus set by the M Scale (using the distance from end of the Rule to graduation on the scale which agrees with the full diameter of the square), will prick the distance from the mid-way point, on all four sides of the square, to the point at which to saw for an Eight-square. The Scale E (Edge) is used for setting the Dividers so as to prick on the sides of the square, the distance from the four corners at which to saw for an Eight-square.

**BOXWOOD RULES**  
**ONE FOOT, FOUR FOLD, NARROW**



No.

**69** Round Joint, Middle Plates, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.



**65** Square Joint, Middle Plates, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**64** Square Joint, Edge Plates, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**65½** Square Joint, Bound, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

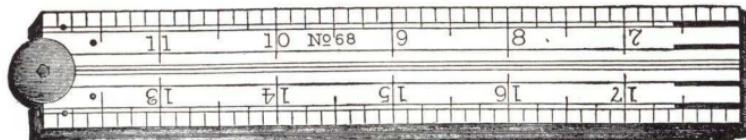


**55** Arch Joint, Middle Plates, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**56** Arch Joint, Edge Plates, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

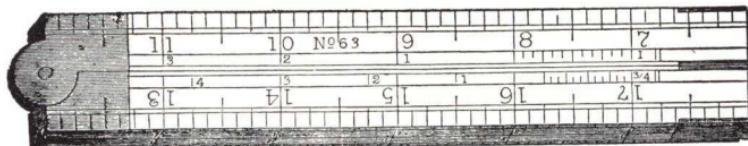
**57** Arch Joint, Bound, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

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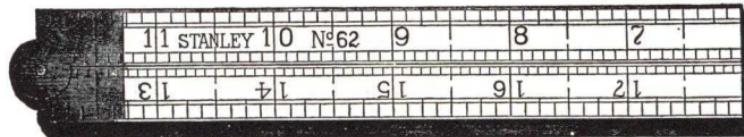
**RULE No. 68**

Cut shows Round Joint and Middle Plates.



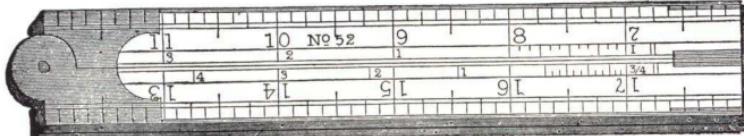
**RULE No. 63**

Cut shows Square Joint and Edge Plates.



**RULE No. 62**

Cut shows Square Joint and Bound Rule.



**RULE No. 52**

Cut shows Arch Joint and Half Bound Rule.

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**BOXWOOD RULES**

**TWO FEET, FOUR FOLD, NARROW.**

No.

**68** Round Joint, Middle Plates, 8ths and 16ths of inches, 1 in. wide.

**61** Square Joint, Middle Plates, 8ths and 16ths of inches, 1 in. wide.

**63** Square Joint, Edge Plates, 8ths, 10ths, 12ths, and 16ths of inches, Drafting Scales, 1 in. wide.

**84** Square Joint, Half Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide,

**62** Square Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide.

**51** Arch Joint, Middle Plates, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide.

**53** Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide.

**52** Arch Joint, Half Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide.

**54** Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide.

**59** Double Arch Joint, Bitted, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide.

**60** Double Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide.

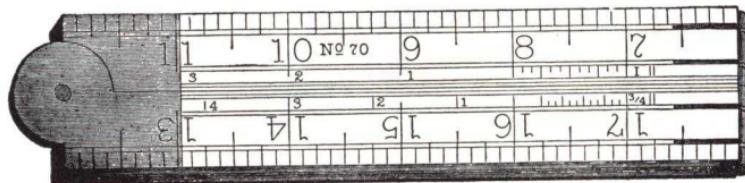
**TWO FEET, FOUR FOLD, EXTRA NARROW**

**61½** Square Joint, Middle Plates, 8ths and 16ths of inches,  $\frac{3}{4}$  in. wide.

**63½** Square Joint, Edge Plates, 8ths, 10ths and 16ths of inches,  $\frac{3}{4}$  in. wide.

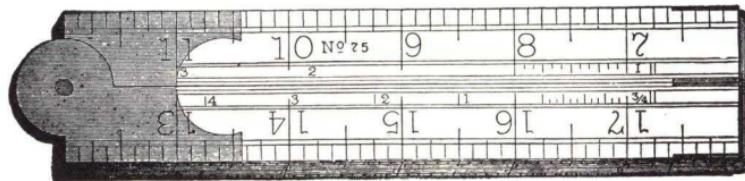
**62½** Square Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches,  $\frac{3}{4}$  in. wide.

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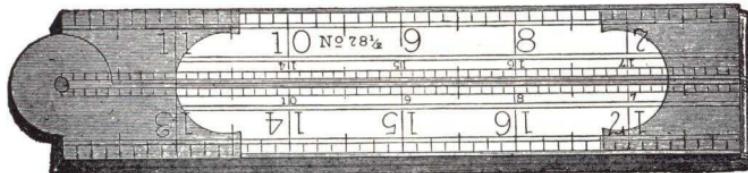
**RULE No. 70**

Cut shows Square Joint and Middle Plates.



**RULE No. 75**

Cut shows Arch Joint and Edge Plates.



**RULE No. 78 1-2**

Cut shows Double Arch Joint and Bound Rule.

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**BOXWOOD, TWO FEET, FOUR FOLD, BROAD**

No.

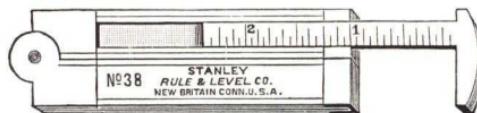
- 70** Square Joint, Middle Plates, 8ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 72** Square Joint, Edge Plates, 8ths, 10ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 72½** Square Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 73** Arch Joint, Middle Plates, 8ths, 10ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 75** Arch Joint, Edge Plates, 8ths, 10ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 76** Arch Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 77** Double Arch Joint, Bitted, 8ths, 10ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 78** Double Arch Joint, Half Bound, 8ths, 10ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 78½** Double Arch Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 83** Arch Joint, Edge Plates, Slide, 8ths, 12ths and 16ths of in., 100ths of a foot, and Octagonal Scales,  $1\frac{3}{8}$  in. wide.

**BOARD MEASURE, TWO FEET, FOUR FOLD,  
BOXWOOD**

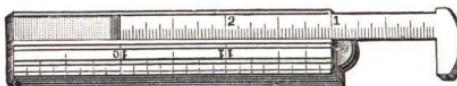
The Tables on the inside of these Rules will give the contents in Board Measure, of one-inch Boards, of any ordinary dimensions.

- 79** Square Joint, Edge Plates, 12ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 81** Arch Joint, Edge Plates, 12ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.
- 82** Arch Joint, Bound, 12ths and 16ths of inches, Drafting Scales,  $1\frac{3}{8}$  in. wide.

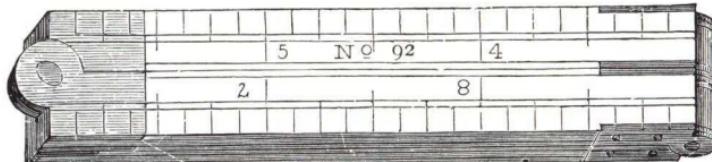
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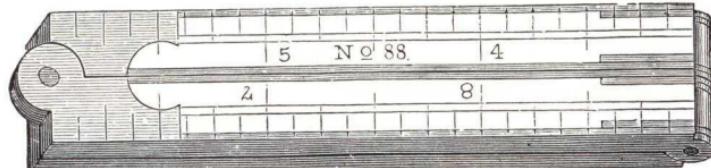
**RULE No. 38**



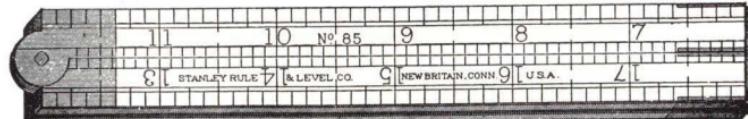
**RULE No. 40**



**RULE No. 92**



**RULE No. 88**



**RULE No. 85**

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STANLEY RULE AND LEVEL COMPANY 11  
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**IVORY CALIPER, SIX INCH**

No.

**38** Square Joint, German Silver, Two Fold, 8ths, 10ths, 12ths and 16ths of inches,  $\frac{7}{8}$  in. wide.

**40½** Square Joint, German Silver, Bound, Two Fold, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**IVORY CALIPER, ONE FOOT, FOUR FOLD**

**39** Square Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches,  $\frac{7}{8}$  in. wide.

**40** Square Joint, German Silver, Bound, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**IVORY, ONE FOOT, FOUR FOLD**

**90** Round Joint, Brass, Middle Plates, 8ths and 16ths of inches.

**92½** Square Joint, German Silver, Middle Plates, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**92** Square Joint, German Silver, Edge Plates, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**88½** Arch Joint, German Silver, Edge Plates, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**88** Arch Joint, German Silver, Bound, 8ths and 16ths of inches,  $\frac{5}{8}$  in. wide.

**91** Square Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches,  $\frac{3}{4}$  in. wide.

**IVORY, TWO FEET, FOUR FOLD**

**85** Square Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches,  $\frac{7}{8}$  in. wide.

**86** Arch Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, 100ths foot, Drafting Scales, 1 in. wide.

**86½** Arch Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, with Inside Beveled Edges, and Architects' Drafting Scales, 1 in. wide.

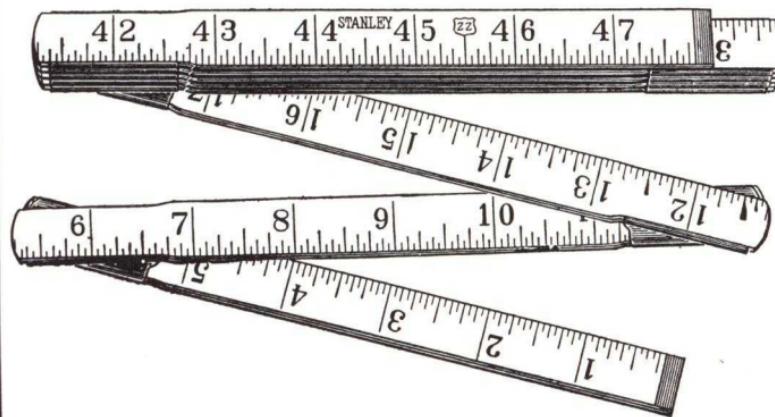
**87** Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales, 1 in. wide.

**89** Double Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales 1 in. wide.

**95** Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales,  $1\frac{1}{8}$  in. wide.

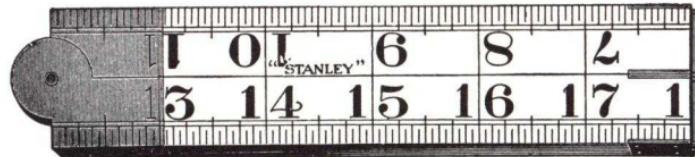
**67** Double Arch Joint, German Silver, Bound, 8ths, 10ths, 12ths and 16ths of inches, Drafting Scales,  $1\frac{1}{8}$  in. wide.

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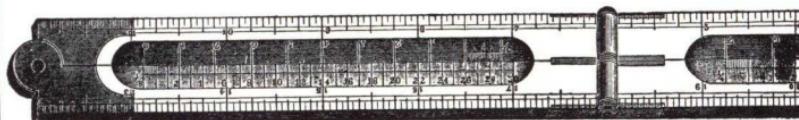
**ZIG-ZAG RULE**

No. 40



**BLINDMAN'S RULE**

No. 07



**ARCHITECTS' RULES**

Style Nos. 53 1/2 and 86 1/2

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### STANLEY'S ZIG-ZAG RULES

Although the general form of this class of Rule is primarily of German design, we claim certain features of our special design as great improvements over anything heretofore offered, and consider our Ziz-Zag Rules stand in a class by themselves.

These Rules are made of flexible hardwood with blued steel joints and tips. Each joint contains a stiff spring which holds the Rule rigid when open. By referring to the cut on opposite page, it will be noticed that no hole is put through the stock where the joint is attached. This construction adds greatly to the strength of the Rule.

We call particular attention to our method of marking these Rules. The cut illustrates the fact that the numbers "run up" on the inside of the Rule. This marking permits the user of the Rule taking a short measurement without opening the entire Rule, and still have the marking and graduations close "on the work."

The popularity of the Rules is attested by the fact that at the present time we are devoting a complete department of our factory to their manufacture. By manufacturing in such large quantities, we are enabled to place these Rules on the market at such prices as to eliminate any possibility of their being considered too high priced for general use.

No.	02	03	04	05	06	08
Length,	2	3	4	5	6	8 Feet.

### STANLEY'S BLINDMAN'S RULE

Many of our customers have, from time to time, called for a Rule with extremely large figures. These in the past have been made to order only, and naturally were quite expensive. We have recently added the No. 7 to our regular line of standard Rules. The cut on opposite page is made to scale and fully illustrates the design.

No. 7  $1\frac{3}{8}$  inches wide.

### ARCHITECTS' RULES

#### BOXWOOD

No.

53½ Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, with inside Beveled Edges, and Architects' Drafting Scales, 1 in. wide.

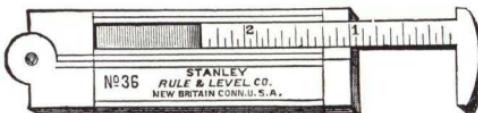
#### IVORY

86½ Arch Joint, German Silver, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, with inside Beveled Edges, and Architects' Drafting Scales, 1 in. wide.

This style of Rules has become very popular in the last few years. When closed the Rule has the same appearance as an ordinary folding pocket Rule, and can be used as such.

The cut shows the Rule opened. The Beveled Edges are divided into Drafting Scales of  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$  and  $\frac{1}{2}$  inches to the foot.

**BOXWOOD CALIPER, SIX INCH**

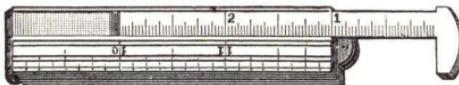


**RULE No. 36**

No.

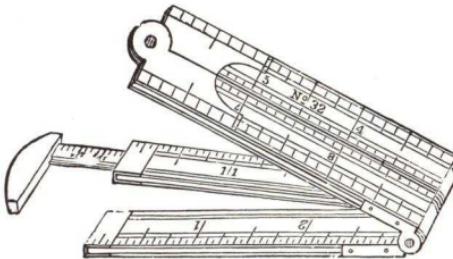
**36** Square Joint, Two Fold, 8ths, 10ths, 12ths and 16ths of inches,  $\frac{7}{8}$  in. wide. Caliper graduated in 16ths or 32nds.  
**13** Square Joint, Two Fold, 8ths and 16ths inches,  $1\frac{1}{8}$  in. wide.  
**13½** Square Joint, Two Fold, 8ths and 16ths inches,  $1\frac{1}{2}$  in. wide.

**BOXWOOD CALIPER, ONE FOOT, FOUR FOLD**



**RULE No. 3**

**3** Square Joint, Bound, 8ths, and 16ths of inches,  $\frac{5}{8}$  in. wide. Caliper graduated in 16ths or 32nds.



**RULE No. 32**

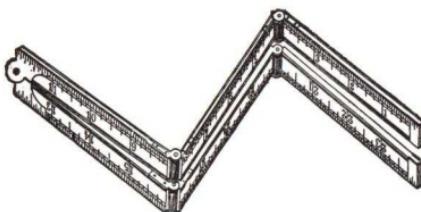
**32** Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches, 1 in. wide. Caliper graduated in 16ths or 32nds.  
**32½** Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches, 1 in. wide. Caliper graduated in 16ths or 32nds.

**BOXWOOD CALIPER, ONE FOOT, TWO FOLD**

**36½** Square Joint, Two Fold, 8ths, 10ths, 12ths and 16ths of inches,  $1\frac{3}{8}$  in. wide.

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**BOXWOOD, TWO FEET, SIX FOLD**



No.

58 Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths of inches,  $\frac{3}{4}$  in. wide.  
58½ Arch Joint, Bound, 8ths, 10ths, 12ths and 16ths of inches,  $\frac{3}{4}$  in. wide.

**SHIP CARPENTERS' BEVELS**



42 Boxwood, Double Tongue, 8ths and 16ths of inches.

**BOXWOOD, THREE FEET, FOUR FOLD**

66 Arch Joint, Middle Plates, Four Fold, 16ths of inches outside, and Yard graduations only on inside, 1 in. wide.  
66½ Arch Joint, Middle Plates, Four Fold, 8ths and 16ths of inches, 1 in. wide.

**BOXWOOD, CARRIAGE MAKERS', FOUR FEET,  
FOUR FOLD**

94 Arch Joint, Bound, 8ths and 16ths of inches,  $1\frac{1}{2}$  in. wide.

**YARD STICKS**

33 Yard Stick, Polished.  
41 Yard Stick, Brass Tips, Polished.  
50 Yard Stick, Hickory, Brass Tips, Polished.

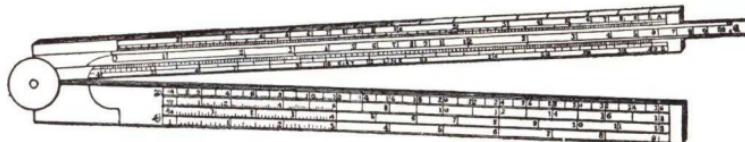
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**BOXWOOD, TWO FEET, TWO FOLD**

No.

- 18 Square Joint, 8ths and 16ths of inches,  $1\frac{1}{2}$  in. wide.
- 22 Square Joint, Bitted, Board Measure, 10ths, 12ths and 16ths of inches, Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 1 Arch Joint, 8ths and 16ths of inches, Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 2 Arch Joint, Bitted, 8ths, 10ths and 16ths of inches, Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 4 Arch Joint, Extra Thin (plates on outside of wood), Bitted, 8ths and 16ths of inches, Drafting and Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 5 Arch Joint, Bound, 8ths, 10ths and 16ths of inches, Drafting and Octagonal Scales,  $1\frac{1}{2}$  in. wide.



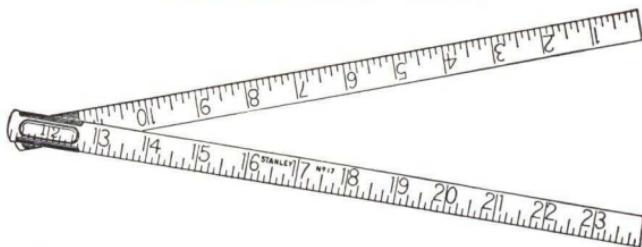
**RULE No. 12**

**BOXWOOD, TWO FEET, TWO FOLD, SLIDE**

- 26 Square Joint, Slide, 8ths, 10ths and 16ths of inches, Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 27 Square Joint, Bitted, Gunter's Slide, 8ths, 10ths and 16ths of inches, 100ths of a foot, Drafting and Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 12 Arch Joint, Bitted, Gunter's Slide, 8ths, 10ths and 16ths of inches, 100ths of a foot, Drafting and Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 15 Arch Joint, Bound, Gunter's Slide, 8ths, 10ths and 16ths of inches, Drafting and Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 6 Arch Joint, Bitted, Gunter's Slide, Engineering, 8ths, 10ths and 16ths of inches, 100ths of a foot, Octagonal Scales,  $1\frac{1}{2}$  in. wide.
- 16 Arch Joint, Bound, Gunter's Slide, Engineering, 8ths, 10ths and 16ths of inches, Octagonal Scales,  $1\frac{1}{2}$  in. wide.

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### BLACKSMITHS' RULE



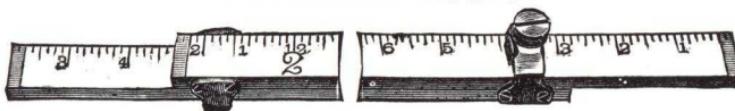
This Rule consists of two legs made from spring brass joined together by a brass joint of similar design to joint used in our Zig Zag Rules.

This Rule is particularly adapted for measuring hot metal, as it can be cooled by plunging in water without rusting.

No.

17 Two foot, two fold, graduated in 8ths of inches,  $\frac{3}{4}$  inch wide.

### EXTENSION RULES

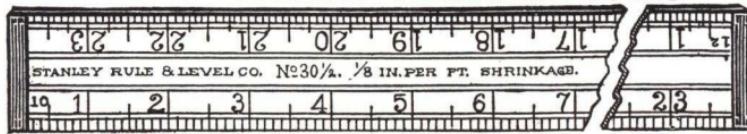


These Rules are very useful for accurately measuring the distance between two fixed points. When extended to required length, the sections may be secured by the set screw.

To read this Rule add to the number of feet indicated by large figure, nearest left end of Rule, the inches and fractions of inches exposed from under left hand end of the upper section.

These Rules are made in the following lengths: 2-4, 3-6, 4-8, 5-10 feet.

### PATTERN MAKERS' SHRINKAGE RULES



We call particular attention to our new line of Shrinkage Rules, for reason of their general design and appearance, finish, method of graduation and superior style of marking.

These Rules are regularly graduated in 8ths, 10ths, 12ths, and 16ths of inches, but will be furnished in 8ths and 16ths, only, if so ordered.

80 1/2 Shrinkage Rule, 1 1/2 inches wide, lengths as below:

Extreme length, 24 1/8, 24 2-12, 24 2-10, 24 3-16, 24 1/4, 24 3/8, 24 1/2 in. Shrinkage per ft., 1-16, 1-12, 1-10, 3-32, 1/8, 3-16, 1/4 in.

In ordering give number (30 1/2) and state extreme length and graduation desired.

### PLUMBS AND LEVELS

In the following pages we show the most complete line of Levels, both Iron and Wood, that has ever been manufactured by any maker in the United States.

We guarantee that all the wood used in the stocks of our Levels has been thoroughly seasoned.

All of our Levels are fitted with the "Proved Level Glasses" described below, with the exception of our special "Ground Glass Levels."

### "HANDY" GRIP

We call particular attention to the shallow groove cut on each side of the stock of our Wooden Levels. This groove we term the "Handy" Grip. In climbing ladders, walking on staging or the frame of a building, this peculiar form of Level Stock gives a feeling of steadiness to the workman who carries it, to say nothing of the decreased chance of dropping it. All of our Wooden Levels are made with the "Handy" Grip, which is also now being placed on many other of our tools. We call attention to the cuts of the Bailey Block Planes and of our Wooden Handle Bevels and Try Squares, which illustrate how the "Handy" Grip is applied to these particular tools.

### PROVED LEVEL GLASSES



STANLEY

These Glasses are made of extra thick tubing. By a patented process each Level Glass is marked at its central and crowning point by two indelible lines; and each Plumb Glass with a single line.

Should a Level Glass be broken the owner will find these lines a great assistance in setting a new glass in its proper position.

These Glasses are furnished with all our Levels, excepting those having Ground Glasses.

The following list shows the lengths in which the "Proved Glasses" are made: 1, 1 $\frac{1}{4}$ , 1 $\frac{1}{2}$ , 1 $\frac{3}{4}$ , 2, 2 $\frac{1}{2}$ , 3, 3 $\frac{1}{2}$ , 4, 4 $\frac{1}{2}$  inches.

### GROUND LEVEL GLASSES

The inside surfaces of these Glasses are ground absolutely smooth and true and thus the bubble is made extremely sensitive. The bubble in these Glasses is considerably longer than in the "Proved Glasses." The same system for marking is used on these Glasses as explained in the description of "Proved Glasses" given above.

The cost of Ground Glasses has been greatly reduced during the last few years, and any mechanic having a good Level Stock can insert a Ground Glass in the old stock at a moderate expense.

Ground Glasses are made in the same lengths as given above for "Proved Glasses."

STANLEY RULE AND LEVEL COMPANY 19  
NEW BRITAIN, CONN., U. S. A.

**PLUMBS AND LEVELS**

No.

**102** Levels, Arch Top Plate, Two Side Views, Polished, 10 to 16 inches.  
**103** Levels, Arch Top Plate, Two Side Views, Polished, 18 to 24 inches.



**Style of Nos. 102 and 103**

**1½** Mahogany Plumb and Level, Arch Top Plate, Two Side Views, Polished, 18 to 24 inches.  
**1¾** Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished and Tipped, 12 to 18 inches.  
**104** Plumb and Level, Arch Top Plate, Two Side Views, Polished, 12 to 18 inches.  
**00** Plumb and Level, Arch Top Plate, Two Side Views, Polished, 18 to 24 inches.  
**0** Plumb and Level, Arch Top Plate, Two Side Views, Polished, 24 to 30 inches.



**Style of Nos. 0, 00, 104, 11-2**

**01** Mahogany Plumb and Level, Arch Top Plate, Two Side Views, Polished, 24 to 30 inches.  
**02** Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished, 24 to 30 inches.  
**03** Plumb and Level, Arch Top Plate, Two Side Views, Polished and Tipped, 24 to 30 inches.  
**04** Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished and Tipped, 24 to 30 inches.  
**011** Rosewood Plumb and Level, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, 24 to 30 inches.

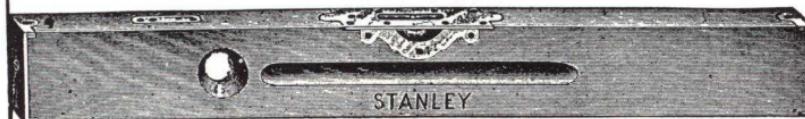
ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

20 STANLEY RULE AND LEVEL COMPANY  
NEW BRITAIN, CONN., U. S. A.

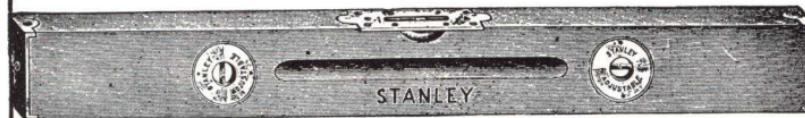
**PLUMBS AND LEVELS**



**Cut of No. 3**



**Style of Nos. 5, 9, 10, 11**



**Style of Nos. 25, 30, 50**

**DUPLEX PLUMBS AND LEVELS**

These Levels have the ordinary form of leveling glass, set in the top surface of the Stock. For any uses where an observation of the glass, *sidewise*, may be found convenient, an additional leveling glass is set in the side, at the opposite end from the Plumb. Both glasses are protected by Brass Discs, can be seen from either side, and are inserted in the Level with the least possible removal of wood from the Stock.

No.

**25** Patent Adjustable Plumb and Level, Mahogany, Arch Top Plate, Improved Duplex Side Views, Polished, Tipped, 24 to 30 inches.

**30** Patent Adjustable Plumb and Level, Cherry, Arch Top Plate, Improved Duplex Side Views, Polished, Tipped 24 to 30 inches.

**50** Patent Adjustable Plumb and Level, Cherry, Triple Stock, Arch Top Plate, Improved Duplex Side Views, Polished, Tipped, 24 to 30 inches.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

### ADJUSTABLE PLUMBS AND LEVELS

These Levels have proved Level Glasses.

Each Glass is set in a Metal Case and held in place by plaster.

The Metal Case is hinged at one end to the top plate, and held in place at the other end by a screw.

A Spiral Spring at each end of this metal case, under the top plate, holds the metal case as set and renders a very delicate adjustment possible. Should the Level require adjusting, a turn of the screw will effect the necessary corrections. A cap covers the head of the adjusting screw to prevent any unnecessary turning of the screw.

No.

- 1** Patent Adjustable Mahogany Plumb and Level, Arch Top Plate, Two Side Views, Polished, Assorted, 24 to 30 inches.
- 2** Patent Adjustable Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished, Assorted, 24 to 30 inches.
- 3** Patent Adjustable Plumb and Level, Arch Top Plate, Two Side Views, Polished and Tipped, Assorted, 18 to 30 inches.
- 4** Patent Adjustable Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished and Tipped, Assorted, 24 to 30 inches.
- 5** Patent Adjustable Plumb and Level, Triple Stock, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, Assorted, 24 to 30 inches.
- 6** Patent Adjustable Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Polished, Assorted, 24 to 30 inches.
- 9** Patent Adjustable Mahogany Plumb and Level, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, Assorted, 24 to 30 inches.
- 10** Patent Adjustable Mahogany Plumb and Level, Triple Stock, Two Ornamental Brass Lipped Side Views, Arch Top Plate, Polished and Tipped, Assorted, 24 to 30 inches.
- 11** Patent Adjustable Rosewood Plumb and Level, Arch Top Plate, Two Ornamental Brass Lipped Side Views, Polished and Tipped, Assorted, 24 to 30 inches.

**PLUMBS AND LEVELS**  
**WITH GROUND CLASSES**



No.

**60** Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, with Ground Glasses, 24 to 30 in.  
**90** Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Tipped, with Ground Glasses, 24 to 30 in.

**STANLEY**

**No. 90**



**STANLEY**

**No. 95**

**95** Brass Bound, Mahogany Plumb and Level, Two Brass Lipped Side Views, with Ground Glasses, 24 to 30 in.  
**96** Brass Bound, Rosewood Plumb and Level, Two Brass Lipped Side Views, with Ground Glasses, 24 to 30 in.  
**98** Brass Bound, Rosewood Plumb and Level, Two Brass Lipped Side Views, with Ground Glasses, 12 in.

The Ground Level Glass is accurately fitted in a brass case and the only plaster used is that necessary to plug the ends of this case.

This brass case is fastened by a screw at each end, directly to the stock of the Level, and is entirely independent of the Top Plate.

When a change of adjustment is necessary the same can be readily adjusted by means of the screw mentioned above.

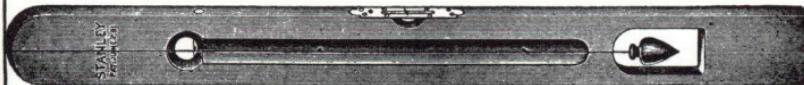
When new Glasses are required, they are generally set in the brass case at the factory, and it is a very simple matter for the owner to replace the brass case in the stock of the Level.

We offer these Levels as the highest type of wood Level which has ever been placed before a mechanic. The increased demand for a Level of the highest grade originally induced us to manufacture this line and their sale has far exceeded our expectations.

When requiring a new Level, ask your dealer to show you a "Stanley Ground Glass Level."

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**MASONS' PLUMBS AND LEVELS**



**STYLE No. 35**

No. 85 Adjustable Masons' Plumb and Level, adapted also for Plumb Bob and Line, 42 inches.



**STYLE Nos. 7, 7 1-2, 8, 70, 80**

The two Plumb Glasses are set in separate holes; but each on the right-hand side. This will enable the workman to plumb work below where he stands, or above him, without turning the Level Stock end for end, which is found to be a great convenience.

7 Masons' Plumb and Level, Arch Top Plate, Two Plumbs, Two Side Views, Polished and Tipped, 36 inches.  
7½ Masons' Plumb and Level, Arch Top Plate, Two Plumbs, Two Side Views, Polished, 36 inches.  
8 Masons' Plumb and Level, Arch Top Plate, Two Plumbs, Two Side Views, Polished, 42 inches.

**WITH GROUND GLASSES**

70 Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Two Plumbs, with Ground Glasses, 36 inches.  
80 Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, Two Plumbs, with Ground Glasses, 42 inches.

**ECLIPSE LEVELS**



These Levels are furnished with Ground Glasses. The Glass is fitted in a metal case and the only plaster used is that necessary to fill the ends of the case. An outer shell is fitted over this case, and when the Level is not in use this shell can be turned so as to completely protect the Glass from damage. This shell is termed by us an "Eclipse Case." The Case is screwed on to a substantial metal base. The Level may be adjusted by means of these screws. The case and base are Nickel-plated.

In ordering new Glasses, it is well to detach the case from the base and then have new Glass fitted into the case at our factory.

No.

**34** Nickel-plated with Ground Glass. Made in following lengths:  
4, 6, 8, 10 inches.

 Will be sent with **V** bottoms (for leveling shafting, etc.) at same price, if so ordered.

**MACHINISTS' IRON LEVELS**



These are very good Iron Levels sold at a low price. The Glass is set in plaster inside of an iron case. The Iron Top Plate is entirely separate from the Glass.

**38 1/2** Iron Level, Nickel-plated, 4 inches long.

**39 1/2** Iron Level, Nickel-plated, 6 inches long.

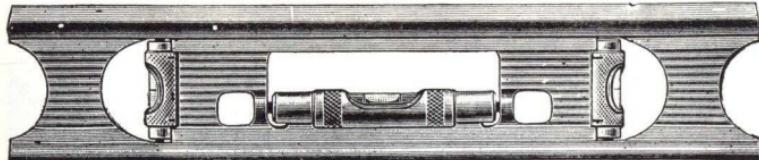
**METALLIC PLUMBS AND LEVELS**



Both the Plumb and Level Glasses are set in a metal case. The bottom of each case is machined so as to fit accurately on supports cast in the frame of the Level. The case is held firmly on the supports by means of cone centres which engage each end of the case. The centre lines of the case and the cones are eccentric. The metal case is readily removed from the Frame by slackening the cone centres. It is possible to adjust these Levels or to accurately insert new glasses by placing paper between the case and its supports. These Levels are now being made in such quantities that they are offered for sale at a price making them available to all.

No.

**36** Japanned, Nickel-plated Trimmings, with Proved Glasses, Two Plumbs. Made in following lengths: 6, 9, 12, 18, 24 inches.



This Level is of the same general design as the No. 36 described above, but has certain improved features.

The special features being that it is fitted with Ground Glasses, the Glasses are protected by Eclipse Cases and the Level is Nickel-plated throughout.

**37** Nickel-plated, with Ground Glasses and Eclipse Cases, Two Plumbs. Made in following lengths: 12, 18, 24 inches.

 Either of above will be furnished with groove cut in bottom (for working shafting, etc.) if so ordered, without extra charge.

**HEXAAGON POCKET LEVELS**



No.

**81** Hexagon Pocket Levels, Nickel-plated, Proved Glasses, made in lengths of 2, 2½, 3, 3½, 4, 4½ inches.

**WITH DETACHABLE BASE PIECE**



We offer this Level as the finest pocket level on the market. The Glass is one of our "Ground Glasses". The case in which the Glass is set is easily detached from the metallic base, by slackening up the movable cone centre shown in cut. A deep slot is cut in the bottom of the base so the Level can be set on the blade of a square or straight edge and held in place by tightening the set screws shown in cut.

**88** Nickel-plated, with Ground Glasses, 3½ inches long over all.

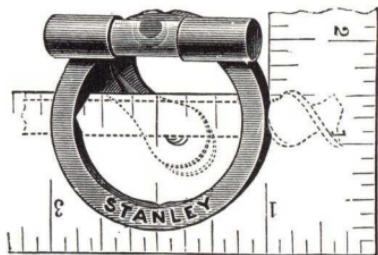
**POCKET LEVELS**



These are very handy little tools. They can easily be attached to any straight edge.

**40** Iron Body, Iron Top Plate, Japanned, 3¼ inches.  
**41** Iron Body, Japanned, Brass Top Plate, 3¼ inches.  
**42** Brass Body, Brass Top Plate, 3¼ inches.

**PATENT BIT AND SQUARE LEVEL**



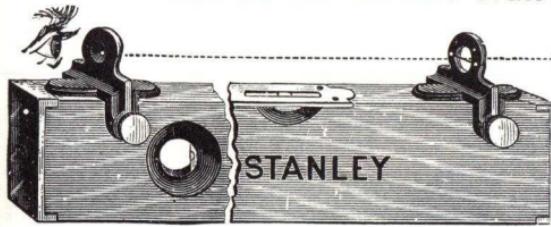
**BIT AND SQUARE LEVEL No. 44. BRASS FRAME**

The frame of this Level has three pairs of V slots on its back edges. The shank to a Bit will lie in these slots, either parallel with the bubble-glass, at an exact angle to it, or at an angle of 45 degrees.

A Thumb-Screw secures the Level to the Bit, in either position; and boring can be done with perfect accuracy as to perpendicular, horizontal or angle of 45 degrees, by observing the bubble-glass while turning the Bit.

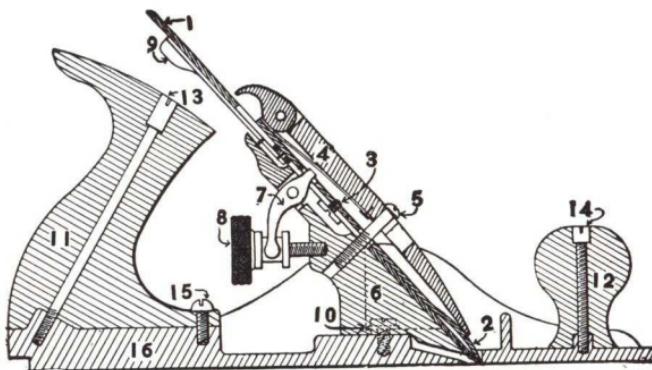
The frame can also be attached to a Carpenters' Square. Two shoulders rest on the top of the horizontal leg to the square, thus making it an accurate Spirit-level. The upright leg of the square will indicate an exact Plumb line.

**IMPROVED LEVEL SIGHTS**



**IMPROVED LEVEL SIGHTS No. 1**

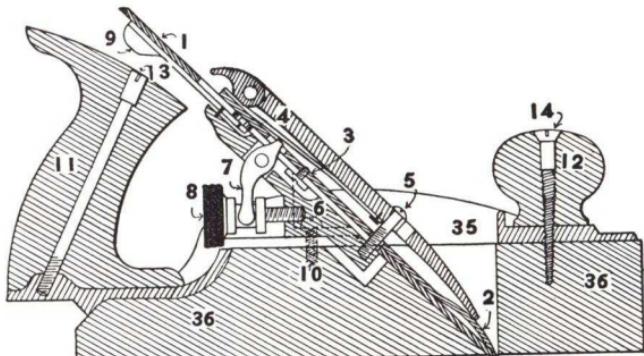
By the use of these ingenious devices, which can be attached to any Level, the owner has a convenient and accurate means for leveling, from one given point to another at a long distance away. When not in use the Level Sights are easily detached, and can be packed away in a small space for future use.



SECTIONAL ELEVATION OF BAILEY IRON PLANE

LIST OF PARTS OF BAILEY PLANES

No.		No.	
1	Plane Iron.	10	Frog Screw.
2	Plane Iron Cap.	11	Handle.
3	Plane Iron Screw.	12	Knob.
4	Cap.	13	Handle "Bolt and Nut".
5	Cap Screw.	14	Knob "Bolt and Nut".
6	Frog.	15	Handle Screw.
7	"Y" Adjustment.	16	Bottom (Iron Plane).
8	Brass Adjusting Nut.	35	Top Casting (Wood Plane).
9	Lateral Adjustment.	36	Bottom (Wood Plane).



SECTIONAL ELEVATION OF BAILEY WOOD PLANE

### BAILEY'S ADJUSTABLE PLANES

The sectional elevations on the opposite page show the details of Design of Bailey Planes, both Iron and Wood.

The Plane Iron No. 1 is made from the best quality of *English Cast Steel*, is of equal thickness throughout, tempered and ground by an improved process, and is sharpened for immediate use when sent to market. The Plane Iron Cap No. 2 is also made from Steel, and is fastened to the Plane Iron in the usual manner by the Plane Iron Screw No. 3.

These three parts constitute what is known as the Double Plane Iron; however, when the cutting edge has been worn away, it is usually unnecessary to order any part other than the Plane Iron No. 1, if the other two parts do not show wear, as they are all interchangeable.

Our improved form of Plane Iron renders it unnecessary to detach the Cap Iron at any time, as the connecting screw will slide back to the extreme end of the slot in the Plane Iron, without the danger of falling out. The Screw may then be tightened by a turn with the thumb and finger, and the Cap Iron will serve as a convenient handle or rest in whetting or sharpening the cutting edge of the Plane Iron.

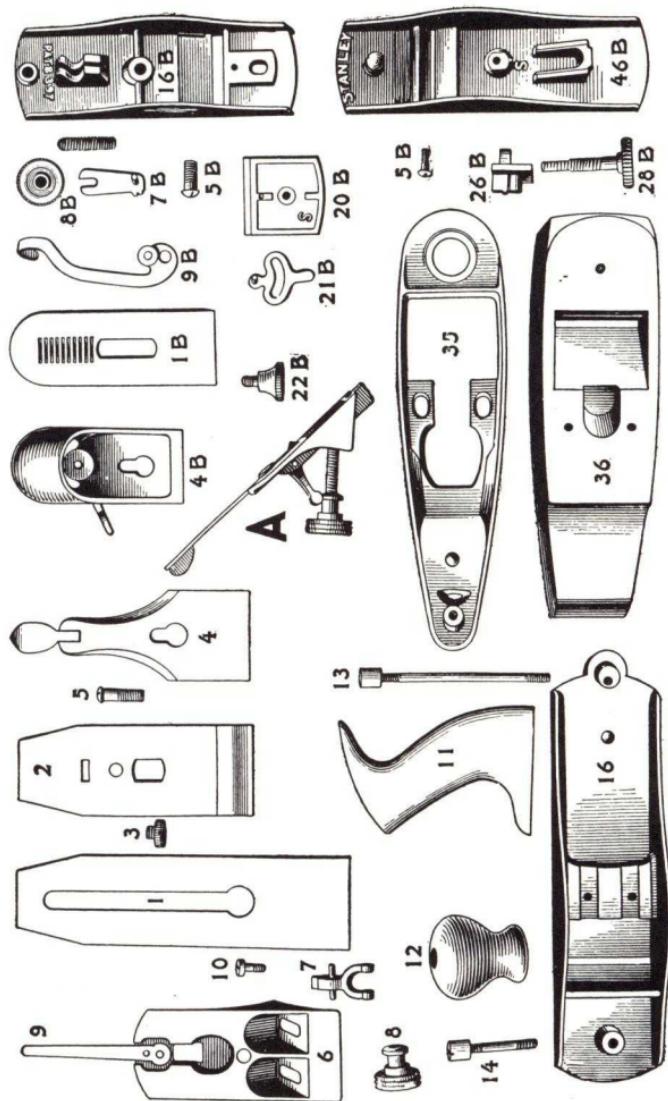
The Cap No. 4 is held in place below its centre by the Cap Screw No. 5, which acts as a fulcrum, and the Lever may be readily clamped down upon the Irons by the use of the Thumb-piece and Cam. When the Thumb-piece is turned upward, and the Cam ceases to bear upon the Irons, the Cap may be removed from its place and the Irons released without turning the Cap Screw, as the Cap and Irons are properly slotted for this purpose.

When the Iron is secured in its place, by using the Brass Adjusting Nut No. 8, the Y Adjustment No. 7 is easily operated to drive or draw the Iron, and thus the thickness of the shaving to be taken from any work may be regulated with perfect accuracy.

By means of the Lateral Adjustment No. 9, located under the Plane Iron and working sidewise, the cutting edge can be easily brought into a position exactly square with the bottom of the Plane if any variation should exist when the Plane Iron is first clamped down. The Revolving Disc on the Lever prevents all friction.

If for any reason it be desirable, the mouth of the Plane can be readily adjusted by moving forward the Frog No. 6, which may be done by the use of the two Frog Screws, one of which is shown (No. 10).

In ordering parts always designate by the name and number given on opposite page as well as the number of the Plane for which the part is wanted.



See Lists on Pages 28 and 31 for Names of Parts.

### BAILEY'S ADJUSTABLE PLANES

#### LIST OF PARTS OF BLOCK PLANES

1 B	Plane Iron.	16 B	Bottom (Adjus'ble Throat).
4 B	Cap.	20 B	Mouth piece.
5 B	Cap Screw.	21 B	Eccentric Plate.
7 B	Adjusting Lever.	22 B	Knob.
8 B	Adjusting Nut.	26 B	Adjustable Frog.
9 B	Lateral Adjustment.	28 B	Adjusting Screw.
		46 B	Bottom.

*Numbers on page 30 not found in above list refer to Bailey Bench Planes and will be found in list on page 28.*

The cut on the opposite page shows a collection of parts which, when assembled, form the Bailey Planes, both Iron, Wood and Block.

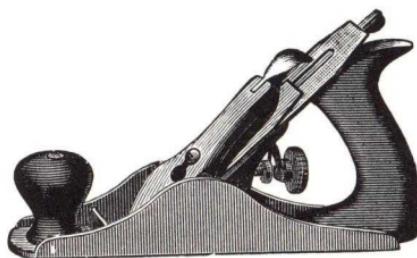
Each part is identified by a number. These numbers refer to the lists giving the names of the various parts. In ordering parts for any Plane, give the number and name as given in the list and also the number of the Plane for which the parts are required.

The sectional cuts on page No. 28 show the parts assembled in the Bailey Iron and Wood Planes. The cuts of the Block Planes on page No. 38 show how the parts are assembled for this class of Plane. It will be noticed that two designs of adjustment, for Block Plane, are shown. In one, the Plane Iron rests on a support cast solid with the bottom, and is moved backward and forward on this support, by the adjusting lever 7B, which engages with the notches in the Plane Iron. In the other, the Plane Iron rests on and engages with the adjustable Frog 26B, and the position of this Adjustable Frog is directly governed by adjusting Screw No. 28B.

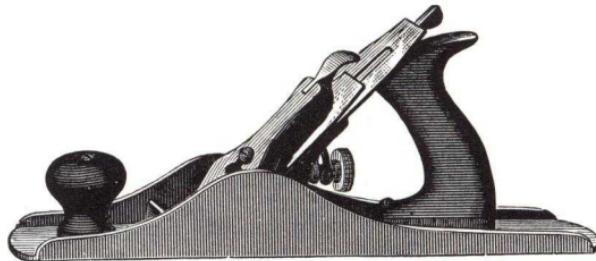
The collection of parts marked A consists of the No. 6 Frog, No. 7 "Y" Adjustment, No. 8 Brass Adjusting Nut and No. 9 Lateral Adjustment. These parts we term "Frog Complete," and if a "Frog Complete" is ordered, the parts are always put together before shipment from our factory.

Many of our Special Planes, *i. e.*, No. 113 Circular and No. 12 Scraper, etc., have some of the same parts as the Regular Line of Bailey Planes, and this list therefore, in many cases, will apply for ordering parts for Special Planes.

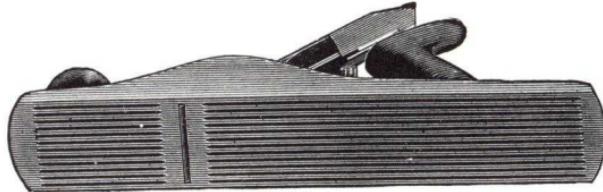
We call attention to the fact, that it is of the utmost importance to keep the cutting edge of the Plane Iron ground to the correct bevel and also to have the Cap Screw No. 5, properly tightened.

**IRON SMOOTH PLANE**

Style of Nos. 1, 2, 3, 4, 4½

**IRON FORE PLANE**

Style of Nos. 5, 5½, 6, 7, 8

**IRON PLANE, CORRUGATED BOTTOM**Cut shows appearance of bottom,  
Nos. 2c, 3c, 4c, 4½c, 5c, 5½c, 6c, 7c, 8c.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

STANLEY RULE AND LEVEL COMPANY 33  
NEW BRITAIN, CONN., U. S. A.

**BAILEY'S ADJUSTABLE PLANES**

Manufactured only by THE STANLEY RULE AND LEVEL COMPANY.

These Planes meet with universal approbation from the best Mechanics, as their extensive sale abundantly testifies. For beauty of style and finish they are unequaled, and the superior methods for adjusting them readily in all their parts render them economical to the owner.

Each Plane is thoroughly tested at our Factory and put in perfect working order before being sent into the market. A printed description of the method of adjustment accompanies each plane. The Plane Irons are fully warranted.

**IRON PLANES**

No.

- 1 Smooth Plane, 5½ inches in Length, 1¼ inch Cutter.
- 2 Smooth Plane, 7 inches in Length, 1⅓ inch Cutter.
- 3 Smooth Plane, 8 inches in Length, 1¾ inch Cutter.
- 4 Smooth Plane, 9 inches in Length, 2 inch Cutter.
- 4½ Smooth Plane, 10 inches in Length, 2⅓ inch Cutter.
- 5 Jack Plane, 14 inches in Length, 2 inch Cutter.
- 5½ Jack Plane, 15 inches in Length, 2¼ inch Cutter.
- 6 Fore Plane, 18 inches in Length, 2⅓ inch Cutter.
- 7 Jointer Plane, 22 inches in Length, 2⅓ inch Cutter.
- 8 Jointer Plane, 24 inches in Length, 2⅓ inch Cutter.

**BAILEY'S ADJUSTABLE PLANES  
WITH CORRUGATED BOTTOMS**

Manufactured only by THE STANLEY RULE AND LEVEL COMPANY.

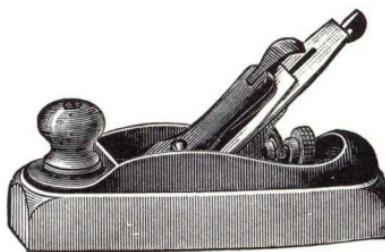
The following Iron Planes are now furnished with CORRUGATED BOTTOMS, if so ordered.

The Planes are our regular goods, with corrugations in the bottom, as illustrated on opposite page. No extra charge is made for Planes having the bottoms corrugated.

- 2c Smooth Plane, 7 inches in Length, 1⅓ inch Cutter.
- 3c Smooth Plane, 8 inches in Length, 1¾ inch Cutter.
- 4c Smooth Plane, 9 inches in Length, 2 inch Cutter.
- 4½c Smooth Plane, 10 inches in Length, 2⅓ inch Cutter.
- 5c Jack Plane, 14 inches in Length, 2 inch Cutter.
- 5½c Jack Plane, 15 inches in Length, 2¼ inch Cutter.
- 6c Fore Plane, 18 inches in Length, 2⅓ inch Cutter.
- 7c Jointer Plane, 22 inches in Length, 2⅓ inch Cutter.
- 8c Jointer Plane, 24 inches in Length, 2⅓ inch Cutter.

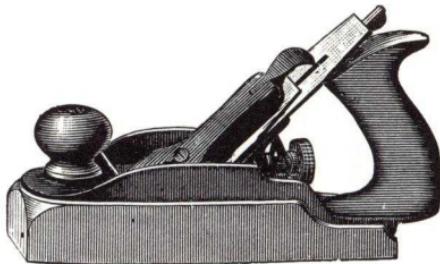
 See Page 29 for List of Plane Parts.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS



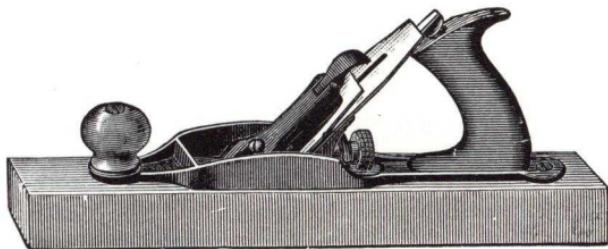
**WOOD BOTTOM JACK PLANE**

Style of Nos. 26 to 34



**WOOD BOTTOM HANDLED SMOOTH PLANE**

Style of Nos. 35 and 36



**WOOD BOTTOM SMOOTH PLANE**

Style of Nos. 21, 22, 23, 24 and 25

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

### BAILEY'S ADJUSTABLE PLANES

Manufactured only by THE STANLEY RULE AND LEVEL COMPANY.

#### WOOD PLANES

When the Bailey Iron Planes were first placed on the market in the "sixties," the only Planes then in use were made with wood bottoms. Although we have sold several million Iron Planes still the demand for a Plane with a wood bottom has nearly kept pace with the sale of the Iron Plane.

The Bottom of the Bailey Wood Plane is made from selected and well seasoned Beech, and it is particularly well adapted for use in working on certain wood. The working parts of the Bailey Wood Plane are the same as those of the Bailey Iron Plane, different only in detail, where the extra thickness of the wood bottom has to be taken into consideration.

We call attention to the sectional view of a Bailey Wood Plane shown on page 28.

No.

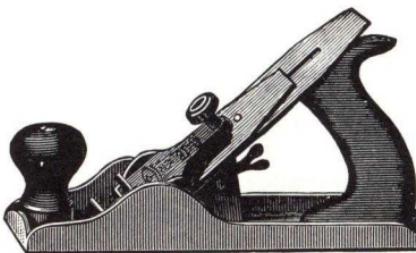
- 21** Smooth, 7 inches in Length,  $1\frac{3}{4}$  inch Cutter.
- 22** Smooth, 8 inches in Length,  $1\frac{3}{4}$  inch Cutter.
- 23** Smooth, 9 inches in Length,  $1\frac{3}{4}$  inch Cutter.
- 24** Smooth, 8 inches in Length, 2 inch Cutter.
- 25** Block,  $9\frac{1}{2}$  inches in Length,  $1\frac{3}{4}$  inch Cutter.
- 35** Handled Smooth, 9 inches in Length, 2 inch Cutter.
- 36** Handled Smooth, 10 inches in Length,  $2\frac{3}{8}$  inch Cutter.
- 37** Jenny Smooth, 13 inches in Length,  $2\frac{5}{8}$  inch Cutter.
- 26** Jack, 15 inches in Length, 2 inch Cutter.
- 27** Jack, 15 inches in Length,  $2\frac{1}{8}$  inch Cutter.
- 28** Fore, 18 inches in Length,  $2\frac{3}{8}$  inch Cutter.
- 29** Fore, 20 inches in Length,  $2\frac{3}{8}$  inch Cutter.
- 30** Jointer, 22 inches in Length,  $2\frac{3}{8}$  inch Cutter.
- 31** Jointer, 24 inches in Length,  $2\frac{3}{8}$  inch Cutter.
- 32** Jointer, 26 inches in Length,  $2\frac{3}{8}$  inch Cutter.
- 33** Jointer, 28 inches in Length,  $2\frac{3}{8}$  inch Cutter.
- 34** Jointer, 30 inches in Length,  $2\frac{3}{8}$  inch Cutter.

Extra plane-woods can be supplied cheaply.

 See Page 28 for List of Parts.

**STANLEY'S ADJUSTABLE PLANES**

**STEEL PLANES**



These Planes are made with a wrought steel bottom. This construction gives a metal bottom with a very light weight.

These Planes are favored by many mechanics on account of the fact, that there is a small liability of their being broken if struck, dropped or knocked off the bench.

The Plane Iron is adjusted by a lever.

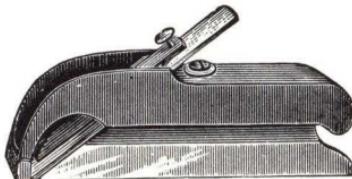
The Plane Irons are made of the best quality English Steel and are fully warranted.

No.

**104** Smooth, 9 inches in Length,  $2\frac{1}{8}$  in. Cutter.

**105** Jack, 14 inches in Length,  $2\frac{1}{8}$  in. Cutter.

**STANLEY'S BULL-NOSE RABBET PLANE**

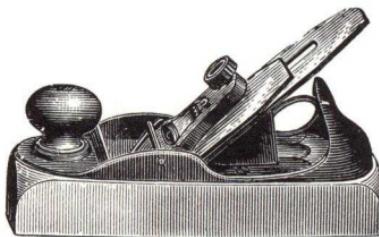


**75** Iron Stock, 4 inches in Length, 1 in. Cutter.

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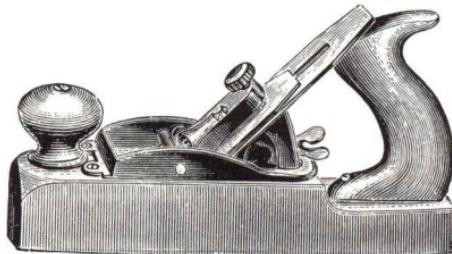
**STANLEY'S ADJUSTABLE PLANES**  
**WOOD PLANES**

The Plane Iron is adjusted by a lever.

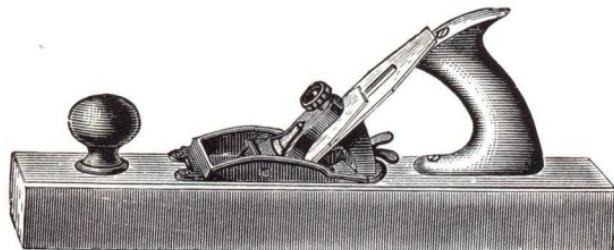


No.

**122** Smooth Plane, 8 inches in Length,  $1\frac{3}{4}$  in. Cutter.



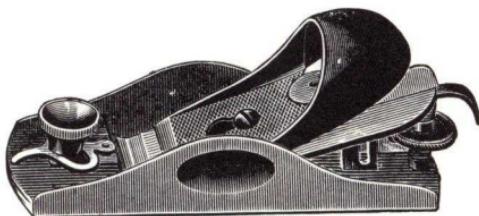
**135** Handle Smooth, 10 inches in Length,  $2\frac{1}{8}$  in. Cutter.



**Style of Nos. 127, 129, 132**

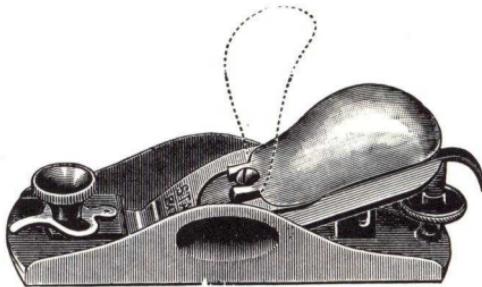
**127** Jack Plane, 15 inches in Length,  $2\frac{1}{8}$  in. Cutter.  
**129** Fore Plane, 20 inches in Length,  $2\frac{3}{8}$  in. Cutter.  
**132** Jointer Plane, 26 inches in Length,  $2\frac{5}{8}$  in. Cutter.

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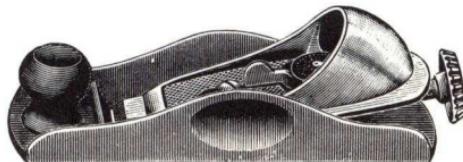
**BAILEY'S ADJUSTABLE BLOCK PLANE**

Style of 9½, 15, 16 and 17



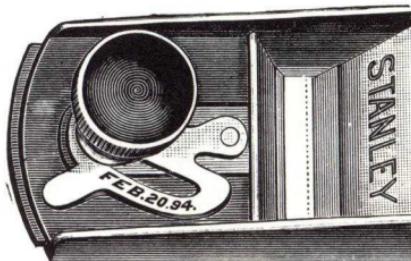
**KNUCKLE JOINT BLOCK PLANE**

Style of 18 and 19



**LOW ANGLE BLOCK PLANE**

Style of 60 and 65



**PATENT THROAT ADJUSTMENT**

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

### BAILEY'S ADJUSTABLE BLOCK PLANES

Manufactured only by THE STANLEY RULE AND LEVEL COMPANY.

These Block Planes stand as the highest type of Block Plane manufactured. Each Plane has an adjustable throat opening. The adjustments for the Plane Iron are the same as those described in detail on page 29, and the Plane is also fitted with Lateral adjustment. These Planes are now made with the "Handy" feature, which gives the workman a more secure grip on the tool than is possible in any other design.

No.

- 9½ Block Plane, 6 inches in Length, 1¾ inch Cutter.
- 15 Block Plane, 7 inches in Length, 1¾ inch Cutter.
- 16 Nickel Trimmings, 6 inches in Length, 1¾ inch Cutter.
- 17 Nickel Trimmings, 7 inches in Length, 1¾ inch Cutter.

### KNUCKLE JOINT BLOCK PLANES

The knuckle joint in the cap makes it a lever too; and placing the cap in position, will also clamp the cutter securely in its seat.

These Planes have the "Handy" feature, adjustable throat, Bailey adjustment and Lateral adjustment.

- 18 Nickel Trimmings, 6 inches in Length, 1¾ inch Cutter.
- 19 Nickel Trimmings, 7 inches in Length, 1¾ inch Cutter.

### LOW ANGLE BLOCK PLANES

These Planes have the cutters set at a very low angle, which is of great advantage when working across the grain. The adjustment is of a most approved design. These Planes have the "Handy" feature and are nickel-plated.

- 60 Low Angle, Block, 6 inches in Length, 1½ inch Cutter.
- 65 Low Angle, Block, 7 inches in Length, 1¾ inch Cutter.

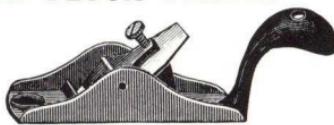
### STANLEY'S PATENT THROAT ADJUSTMENT

This adjustment allows the opening or closing the throat of the Plane, as coarse or fine work may require.

By moving the Eccentric Plate to the right, the throat can be closed, as shown by the dotted line. A single turn of the Knob will fasten the Plate, and secure any desired width for the throat.

The design of the Eccentric Plate prevents the mouthpiece being forced back on the cutting edge when in use.

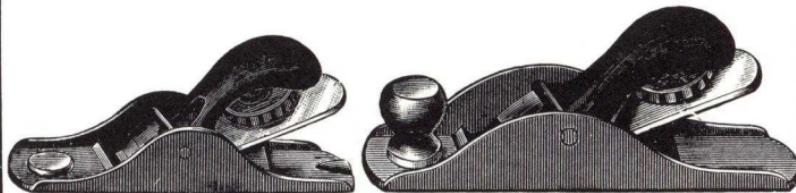
**STANLEY'S IRON BLOCK PLANES**



No.

**101** Block Plane,  $3\frac{1}{2}$  inches in Length, 1 in. Cutter.

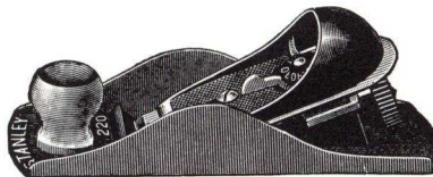
**100** Block Plane, Handled,  $3\frac{1}{2}$  inches in Length, 1 in. Cutter.



**102** Block Plane,  $5\frac{1}{2}$  inches in Length,  $1\frac{1}{4}$  in. Cutter.

**103** Block Plane, Adjustable,  $5\frac{1}{2}$  inch. in Length,  $1\frac{1}{4}$  in. Cutter.

**110** Block Plane,  $7\frac{1}{2}$  inches in Length,  $1\frac{3}{4}$  in. Cutter.



**220** Block Plane, Adjustable,  $7\frac{1}{2}$  inch. in Length,  $1\frac{3}{4}$  in. Cutter.

The adjustment of the No. 220 is of a recent design, and a great improvement over any adjustment heretofore offered on any block plane at equal price.

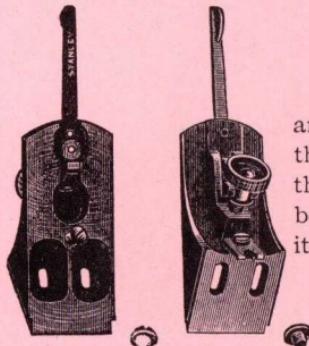


**130** Block Plane (Double-Ender), 8 inches,  $1\frac{3}{4}$  in. Cutter.

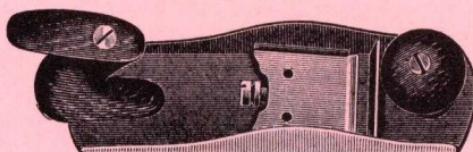
This Plane has two slots and two cutter seats. By reversing the position of the cutter and the clamping wedge, it can be used close up into corners, or other difficult places.

## "BED ROCK" PLANES

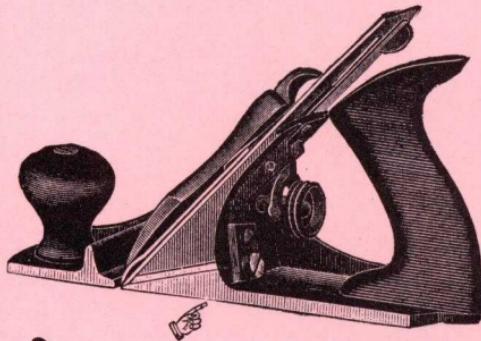
A new style of Iron Bench Plane, the perfect design of which allows a combination of the utmost solidity with more adjustment than any Bench Plane ever produced.



Both surfaces of the Frog are machined and the bottom surface is in contact with the machined surface of the Plane body, thus giving the Cutting Iron as solid a bed as though resting on the Plane body itself.



possibility of shifting or "Wobbling" of the Frog.



A Tongue is made on the bottom side of the Frog and a corresponding groove is formed in the Plane body overcoming any

possibility of shifting or "Wobbling" of the Frog.

When it is desired to open or close the throat, it can easily be done by turning the Screw indicated by the  in the Cut.

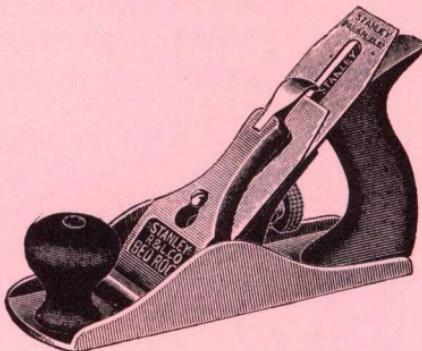
The Tongue and Groove mentioned, insures that the Frog moves at a true right angle with the mouth.

These new Features will commend themselves to all who use Planes.

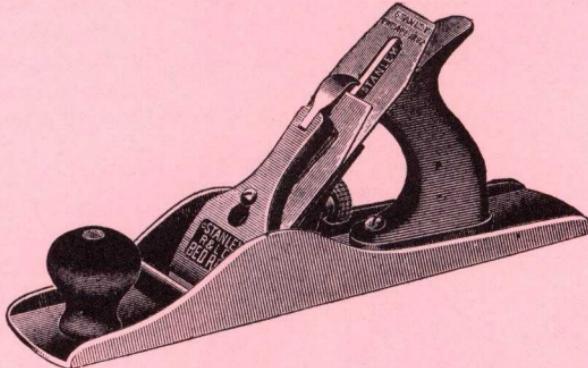


Ask your dealer to show you one of these Tools, which you will know by the Cap.

## "BED ROCK" PLANES



NO.		EACH.
602	Smooth, 7 inches in Length, 1 $\frac{1}{8}$ inch Cutter,	-\$2 15
603	Smooth, 8 inches in Length, 1 $\frac{3}{4}$ inch Cutter,	2 30
604	Smooth, 9 inches in Length, 2 inch Cutter,	2 50
604 $\frac{1}{2}$	Smooth, 10 inches in Length, 2 $\frac{3}{8}$ inch Cutter,	2 90



605	Jack, 14 inches in Length, 2 inch Cutter,	-\$2 90
605 $\frac{1}{2}$	Jack, 15 inches in Length, 2 $\frac{1}{4}$ inch Cutter,	3 25
606	Fore, 18 inches in Length, 2 $\frac{3}{8}$ inch Cutter,	3 50
607	Jointer, 22 inches in Length, 2 $\frac{3}{8}$ inch Cutter,	4 20
608	Jointer, 24 inches in Length, 2 $\frac{3}{8}$ inch Cutter,	5 00

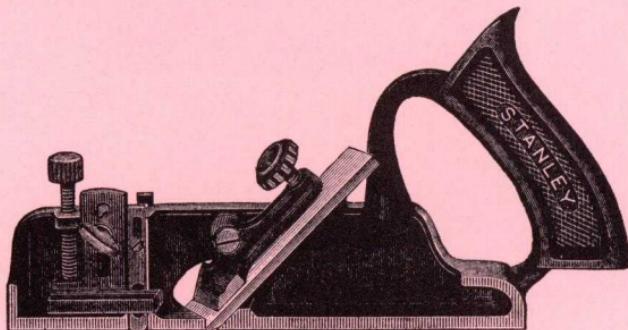
The Bed Rock Planes with CORRUGATED BOTTOMS will be furnished without additional expense, if so ordered.

Just a word about your orders.

Always give your dealer the *number* of the Plane you select. If you prefer a corrugated bottom it is only necessary to put the letter C after the number, as 604C, and he will know exactly what you want.

## IMPROVED DADO PLANES

The Cutter is set on a skew. Plane is fitted with a Depth Gauge, adjustable by means of a Thumb Screw. Also with two adjustable Spurs, which can be adjusted to take up wear as well as for depth of cut.



NO.	EACH.
39	Iron Stock, 8 inches long, made in seven sizes, Viz:— $\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{5}{8}$ , $\frac{3}{4}$ , $\frac{7}{8}$ and 1 inch, - - \$1 50
	Cutters for above Planes, - - - - - 20

In ordering, always give the number, No. 39, and width of Cutter.

## ADJUSTABLE CABINET MAKERS' RABBET PLANE

This Plane is designed for fine Cabinet work where extreme accuracy is required. The sides and bottom being square with each other the Plane will lie perfectly flat on either side, and can be used right or left.

Both the cutter and width of throat opening are adjustable. The Plane is Nickel-plated and fitted with the "Handy" feature.



NO.	EACH.
92	Rabbet Plane, $5\frac{1}{2}$ inches Long, $\frac{3}{4}$ inch Cutter, - \$2 00
93	Rabbet Plane, $6\frac{1}{2}$ inches Long, 1 inch Cutter, - 2 35
94	Rabbet Plane, $7\frac{1}{2}$ inches Long, $1\frac{1}{4}$ inch Cutter, - 2 75
	Cutters for above Planes, - - - - - 30

**MACHINISTS' PLUMBS AND LEVELS  
WITH GROUND GLASSES**



No. 98

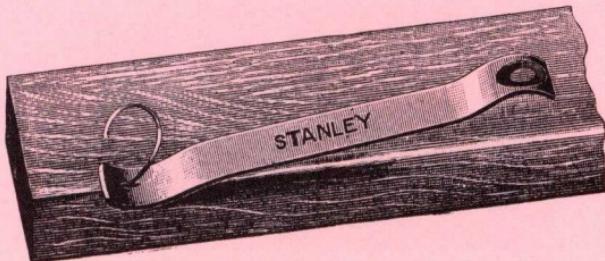
Brass Bound, Rosewood Plumb and Level, Two Brass Lipped Side Views, with Ground Glasses.

	EACH.
6 Inches, - - - - -	\$2 15
9 " - - - - -	2 65
12 " - - - - -	3 15
18 " - - - - -	4 15

**STANLEY CORNERING TOOL**

For Pattern-Making and used by all Wood-Workers in rounding sharp edges. The Tool is made in two numbers, with a different size Cutter at each end, so sharpened that owner can always cut with the grain without changing position of the work.

It requires no depth gauge as the form of the tool allows it to cut only to a certain depth.

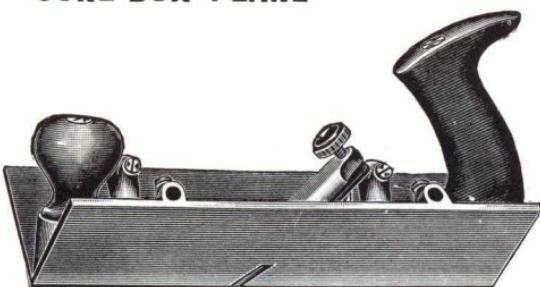


NO.	EACH.
28 Cornering Tool, $\frac{1}{16}$ and $\frac{1}{8}$ inches each, Flat Steel, -	\$0 40
29 Cornering Tool, $\frac{1}{4}$ and $\frac{3}{8}$ inches each, Flat Steel, -	40

### CORE-BOX PLANE

A Tool much needed by Pattern Makers, Wheelwrights, and others, for planing out semi-circles.

This Plane is constructed so that the sides can be extended by additional sections,  $2\frac{1}{2}$  inches wide, until a diameter of 10 inches can be worked, if desired.



No.

**57** Core-Box Plane for working semi-circles, up to 5 inch diameter.

Additional Sections for working large diameters.

Each  $2\frac{1}{2}$  inches wide.



### COMBINED BEADING AND MATCHING PLANE



This Tool, for ordinary beading or for center beading, cannot be surpassed. By the adjustment of the fence, center beading can be done up to five inches from the edge of a board. Except for working across the grain, the spurs need not be used.

With each Plane are furnished Beading Tools,  $\frac{1}{8}$ ,  $3-16$ ,  $\frac{1}{4}$ ,  $5-16$ ,  $\frac{3}{8}$ ,  $7-16$  and  $\frac{1}{2}$  inch, and a pair of  $\frac{1}{4}$  inch Matching Tools.

**50** Nickel-plated Stock and Fence.

**STANLEY'S  
ADJUSTABLE BULL-NOSE RABBET PLANE**

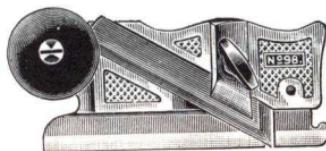


Both the cutter and width of throat opening are adjustable. The Plane is nickel-plated and fitted with the "Handy" feature. No.

**90** Rabbet Plane, 4 inches in Length, 1 inch Cutter.

This Plane is designed for fine cabinet work where extreme accuracy is desired. The sides and bottom being square with each other, the plane will lie perfectly flat on either side, and can be used right or left.

**STANLEY'S SIDE RABBET PLANE**



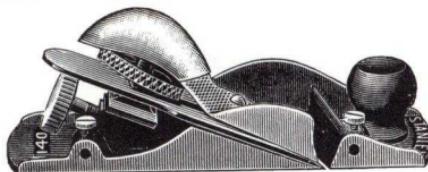
A convenient tool for side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose-piece will give the tool a form by which it will work close up into corners when required.

**98** Side Rabbet Plane, 4 inches, Right Hand.

**99** Side Rabbet Plane, 4 inches, Left Hand.

**STANLEY'S RABBET AND BLOCK PLANE**

A detachable side will easily change this Tool from a Block Plane to a Rabbet Plane, or *vice versa*. The cutter is set on a *skew*.



**140** Rabbet and Block Plane, with detachable side, 7 inches in Length,  $1\frac{3}{4}$  inch Cutter.

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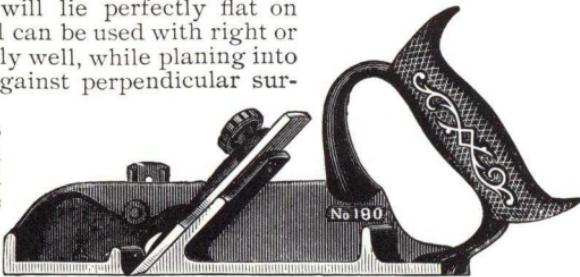
### IMPROVED RABBET PLANE

This Plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

The Planes of this design which are fitted with spur, are adaptable for use for working across the grain. All of these Planes are fitted with a depth Gauge.

No.

- 180** Iron Stock, 8 inches in Length,  $1\frac{1}{2}$  inch wide.
- 181** Iron Stock, 8 inches in Length,  $1\frac{1}{4}$  inch wide.
- 182** Iron Stock, 8 inches in Length, 1 inch wide.
- 190** Iron Stock, 8 inches in Length,  $1\frac{1}{2}$  inch wide, with spur.
- 191** Iron Stock, 8 inches in Length,  $1\frac{1}{4}$  inch wide, with spur.
- 192** Iron Stock, 8 inches in Length, 1 inch wide, with spur.



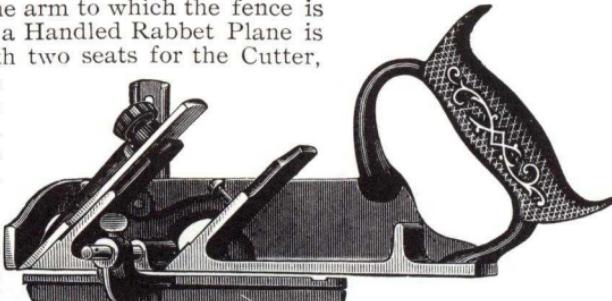
### DUPLEX RABBET PLANE AND FILLETSTER

Remove the arm to which the fence is secured, and a Handled Rabbet Plane is had, and with two seats for the Cutter, so that the tool can be used as a Bull-Nose Rabbet if required.

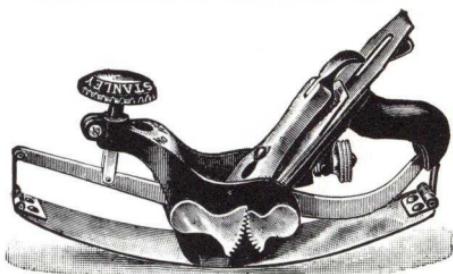
The arm can be screwed into either side of the Stock, making a superior right or left hand Filletster, which by means of adjustable fence is adapted for working rabbets of the smallest width.

This Plane is fitted with a spur so that it can be used for working across the grain when necessary and also has a depth Gauge. This tool deserves a place in every "Carpenter's Kit".

- 78** Iron Stock and Fence,  $8\frac{1}{2}$  inches in Length,  $1\frac{1}{2}$  inch Cutter.



**STANLEY'S ADJUSTABLE CIRCULAR PLANE**



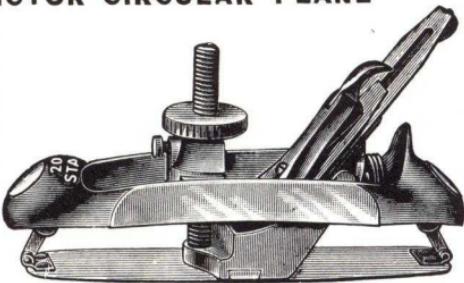
This Plane has a flexible Steel Face, which can be easily shaped to any required arc, either concave or convex, by turning the Knob on the front of the Plane.

No.

**118** Adjustable Circular,  $1\frac{3}{4}$  inch Cutter.

**IMPROVED VICTOR CIRCULAR PLANE**

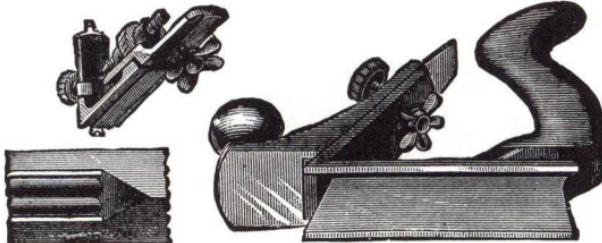
This is a very superior tool and all its parts are specially designed with the object of eliminating any lost motion due to wear. There are less parts subject to lost motion in this Plane than in any other Circular Plane. The ends of the flexible face being fixed and the force applied at the center, great accuracy of adjustment is possible and the face is most firmly held in position.



The Flexible Steel Face of this Plane can be made concave or convex, by turning the screw which is attached to its center.

**20** Circular Plane, Nickel-plated,  $1\frac{3}{4}$  inch Cutter.

**STANLEY'S ADJUSTABLE CHAMFER PLANE**



For Beading, Reeding or Moulding a chamfer, an additional attachment is furnished with six cutters, sharpened at both ends, including a large variety of ornamental forms.

**72** Chamfer Plane, 9 inches in Length,  $1\frac{5}{8}$  inch Cutter.

**72½** Chamfer Plane, with Beading Attachment.

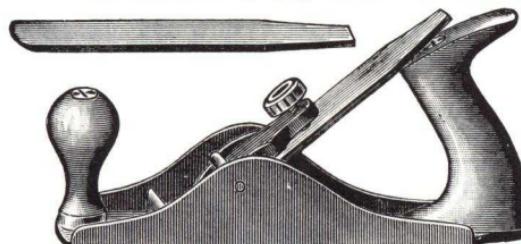
**STANLEY'S CARRIAGE MAKERS' RABBET PLANE**



No.

**10½** Carriage Makers' Rabbet, 9 inches, 2½ inch Cutter.  
**10** Carriage Makers' Rabbet, 13 inches, 2½ inch Cutter.

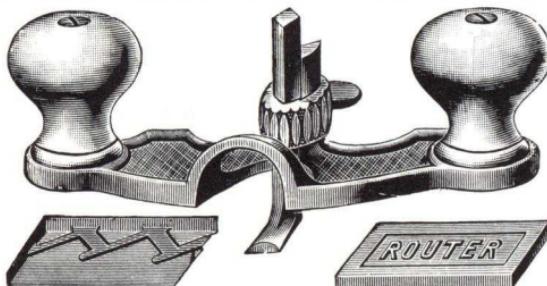
**STANLEY'S IMPROVED SCRUB PLANE**



**40** Iron Stock, 9½ inches in Length, 1¼ inch Cutter.

This Tool has a single Iron, with the cutting edge rounded. It is particularly adapted for roughing down work before using a Jack or other Plane.

**WOODWORKER'S HANDY ROUTER PLANE**

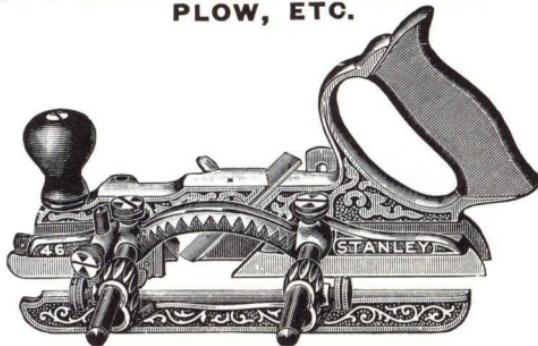


This Tool will smooth the bottom of grooves, panels, or all depressions below the general surface of any wood-work: and will rapidly router out mortises for Sash-frame Pulleys, etc.

**71** Nickel-plated, with Steel Bits (¼ and ½ inch).  
**7½** Nickel-plated, Closed Throat, with Steel Bits. (¼ and ½ inch).

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**TRAUT'S ADJUSTABLE DADO, FILLETSTER,  
PLOW, ETC.**

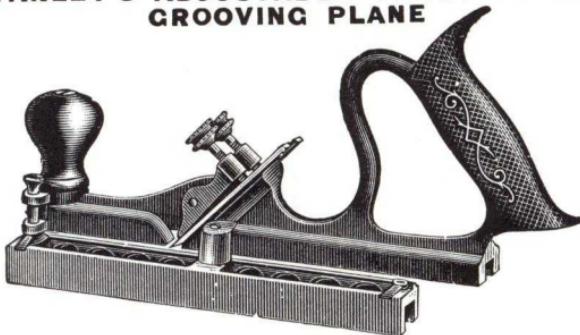


This Tool is accompanied by eight Plow and Dado Bits (3-16,  $\frac{1}{4}$ , 5-16,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{7}{8}$  and  $1\frac{1}{4}$  inch), a Filletster Cutter, a Slitting Blade and a Tonguing Tool. All (except the Slitting Blade) are secured in the main stock on a skew.

No.

**46** Nickel-plated Stock and Fence.

**STANLEY'S ADJUSTABLE TONGUING AND  
CROOVING PLANE**



These Planes have two separate cutters, a suitable distance apart. When the guide, or fence, is set as shown above, both cutters work and a tongue can be made.

The fence is hung on a pivot, and can be swung around, end for end. This movement covers one of the cutters, and also furnishes a guide for grooving an exact match for the tongue.

In working thicker than 1 inch stuff with No. 48 Plane, or  $\frac{1}{2}$  inch stuff with No. 49, place the extra wide cutter in right hand side of the Plane. The tongue and the groove will be equally removed from the center of the edges, on extra thick or thin boards; but a perfect match will be made.

**48** Nickel-plated Stock, for  $\frac{3}{4}$  to  $1\frac{1}{4}$  inch boards.

**49** Nickel-plated Stock, for  $\frac{3}{8}$  to  $\frac{3}{4}$  inch boards.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**STANLEY'S ADJUSTABLE BEADING RABBET  
AND MATCHING PLANE**

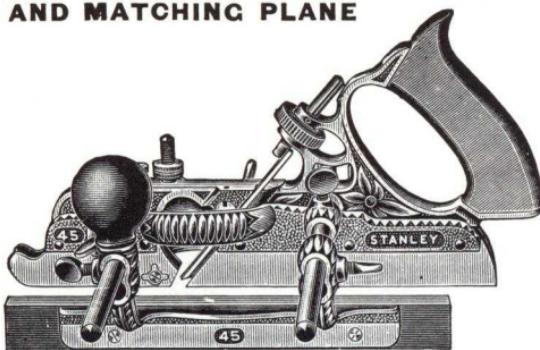
This Plane combines a main stock and a sliding section so arranged that cutters of different widths can be used. Each Plane is fitted with an adjustable fence or guide and a depth gauge, and also with spurs for use in working across the grain. This Plane can be used right or left hand.

This Plane embraces (1) Beading and Center Beading Plane; (2) Rabbet and Filletster; (3) Dado; (4) Plow; (5) Matching Plane; (6) Sash Plane; and (7) a superior Slitting Plane.

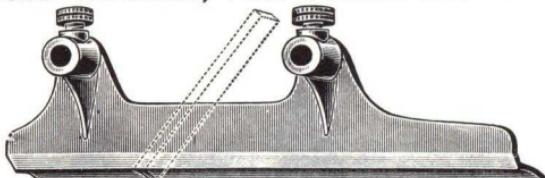
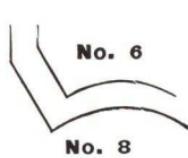
Each Plane has seven Beading Tools ( $\frac{1}{8}$ ,  $3\frac{1}{16}$ ,  $\frac{1}{4}$ ,  $5\frac{1}{16}$ ,  $\frac{3}{8}$ ,  $7\frac{1}{16}$  and  $\frac{1}{2}$  inch), ten Plow and Dado Bits ( $\frac{1}{8}$ ,  $3\frac{1}{16}$ ,  $\frac{1}{4}$ ,  $5\frac{1}{16}$ ,  $\frac{3}{8}$ ,  $7\frac{1}{16}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$  and  $\frac{7}{8}$  inch), a Slitting Blade, a Tonguing Tool and a Sash Tool.

No. 45 Nickel-plated, with Twenty Tools, Bits, etc.

The above mentioned tools are shown one-half size on page 50, as Nos. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 8, 1 and 5.



**HOLLOWES AND ROUNDS, FOR PLANE No. 45**



By substituting a specially formed detachable bottom as shown in cut, for the sliding section mentioned above, cutters known as "Hollowes" and "Rounds" may be used to advantage. A special bottom is required for each size of these tools. The following sizes can be furnished:

- No. 6  $\frac{1}{2}$  inch Cutter, works a segment of a  $\frac{3}{4}$  inch Circle.
- 8  $\frac{5}{8}$  inch Cutter, works a segment of a  $1\frac{1}{8}$  inch Circle.
- 10  $\frac{3}{4}$  inch Cutter, works a segment of a  $1\frac{1}{4}$  inch Circle.
- 12 1 inch Cutter, works a segment of a  $1\frac{1}{2}$  inch Circle.

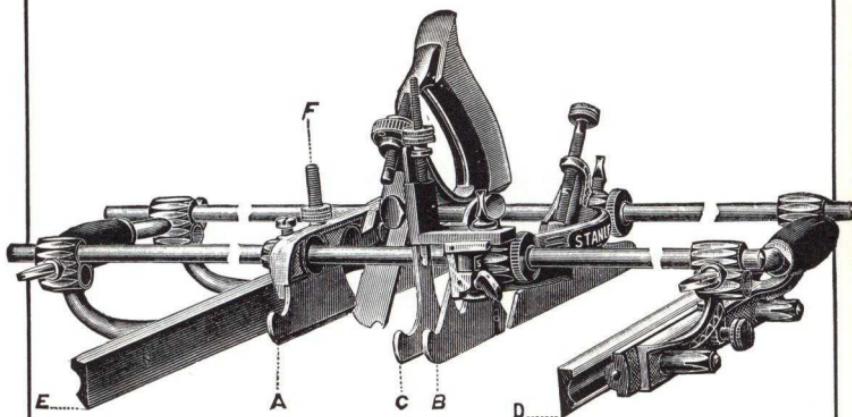
**NOSING TOOL, FOR PLANE No. 45**

No. 5 Nosing Tool,  $1\frac{1}{4}$  inches, attach same as above.

**REEDING TOOLS, FOR PLANE No. 45**

Special Reeding Tools can be furnished for No. 45 Plane in  $\frac{1}{8}$ ,  $3\frac{1}{16}$ , or  $\frac{1}{4}$  inch Beads, with either 2, 3, 4, or 5 Beads each.

**STANLEY'S PATENT UNIVERSAL PLANE**



No.

**55** Stanley's Universal Plane, with 52 Tools, Bits, etc.

**NOTE** The Plane is Nickel-plated; the 52 Cutters are arranged in four separate cases; and the entire outfit is packed in a neat Wooden Box.

This Plane consists of:—

*A Main Stock (A)* with two sets of transverse sliding arms, a depth gauge (F) adjusted by a screw, and a Slitting Cutter with stop.

*A Sliding Section (B)* with a patent vertically adjustable bottom.

*The Auxiliary Center Bottom (C)* is to be placed in front of the Cutter, as an extra support, or stop, when needed. This bottom is adjustable both vertically and laterally.

*Fences (D) and (E).* Fence D has a lateral adjustment by means of a screw, for extra fine work. The Fences can be used on either side of the Plane, and the rosewood guides can be tilted to any desired angle, up to 45°, by loosening the screws on the face. Fence E can be reversed for Center Beading wide boards.

*An Adjustable Stop* to be used in beading the edges of matched boards is inserted on the left hand side of Sliding Section (B).

This Plane takes the place of a full assortment of so-called "Fancy Planes." The same assortment of "Fancy Planes" would cost many times as much as one No. 55. The weight of this plane and 52 tools is 14 pounds.

The plate on page 50 shows the 52 cutters regularly furnished with the No. 55 Plane.

The plate on page 51 shows designs for cutters which are kept in stock and will be furnished to order.

The cutters are shown one-half size in both plates.

By means of the patent adjustable bottom and the auxiliary center bottom it is possible to use a cutter of practically any shape with this Plane. This design of bottom is not used in any other Plane now made. Special cutters will be made to order or blanks from which workmen can file up any form they may require will be furnished as ordered.

Directions for use of this Plane will be found on opposite page.

### STANLEY'S PATENT UNIVERSAL PLANE

#### DIRECTIONS

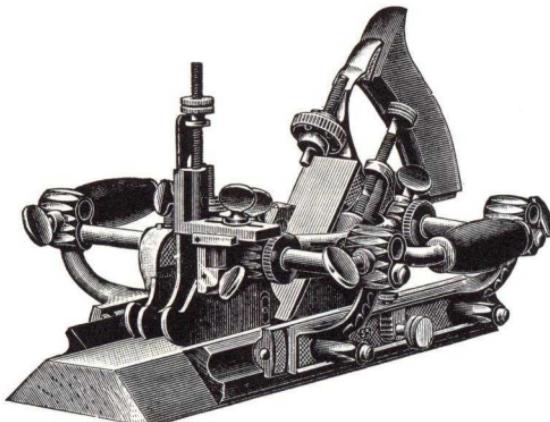
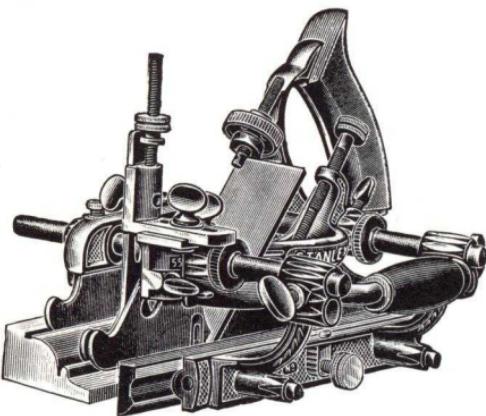
*Moulding Plane.*—Insert a Cutter, and adjust bottom of Sliding Section (B) to conform to the shape of the Cutter; then, by means of the two Check-nuts on the transverse arms, fasten this section firmly—before tightening the Thumbscrews which secure the sliding section to the arms.

When needed, adjust Auxiliary Center Bottom (C) for an additional support in front of the Cutter. By tilting the rosewood guides on Fences D and E, mouldings of various angles may be formed.

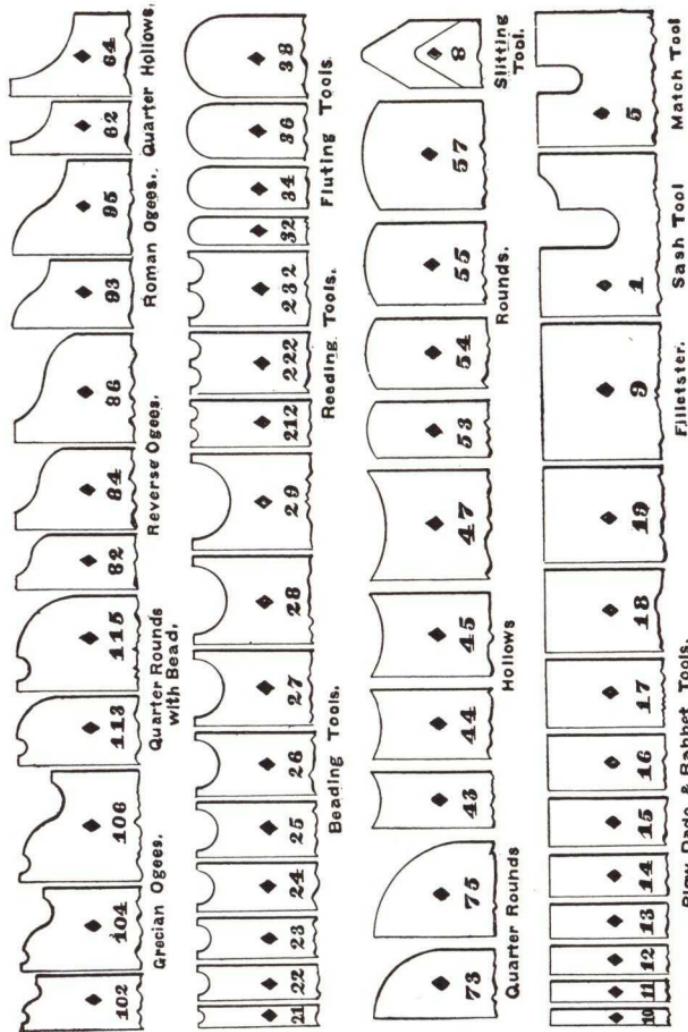
*Match, Sash, Beading, Reeding, Fluting, Hollow, Round, Plow, Rabbet, and Filletster Plane.*—Use in same manner as for Mouldings. In working Match and Sash Cutters, the Auxiliary Center Bottom (C) may be used as a stop.

*Dado.*—Remove the Fences (D and E) and set the spurs parallel with the edges of Cutter. Insert long Adjustable Stop on left hand side of Sliding Section.

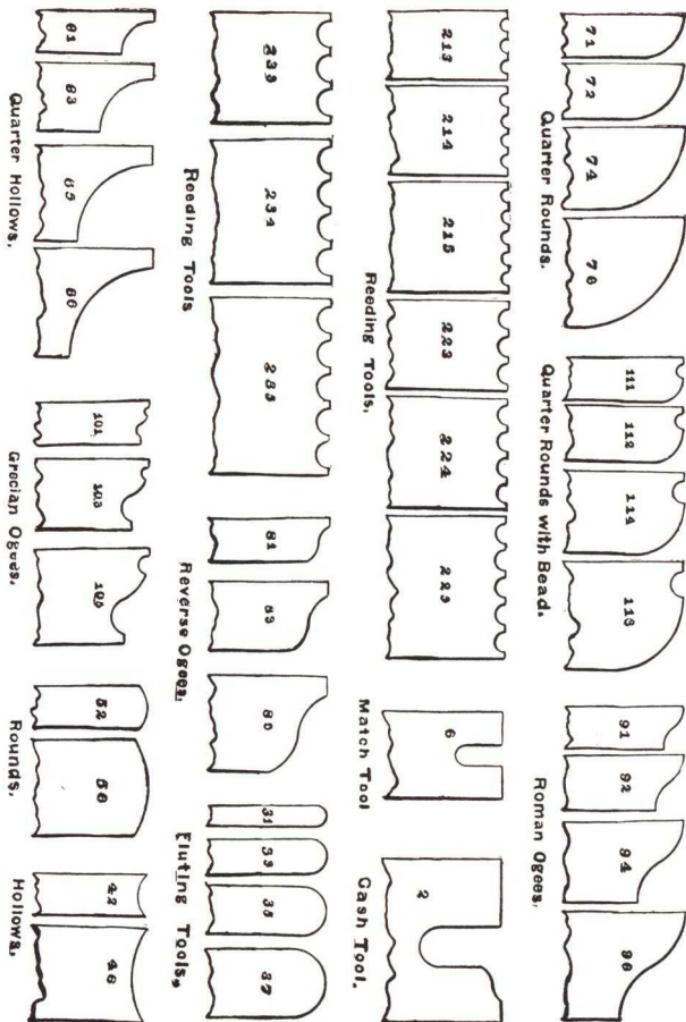
*Slitting Plane.*—Insert the Cutter and Stop on right hand side of Main Stock, and use Fence D or E for guide.



*Chamfer.*—Insert the desired Cutter; fasten a Fence on each side of the Plane, and tilt the rosewood guides to required angle. For Chamfer Beading, use in the same form as above, and feed the cutter down, gradually, by use of thumb-nut for adjustment.



Tools are shown one-half full size,



Tools are shown one-half full size.

**STANLEY'S CABINET SCRAPER**

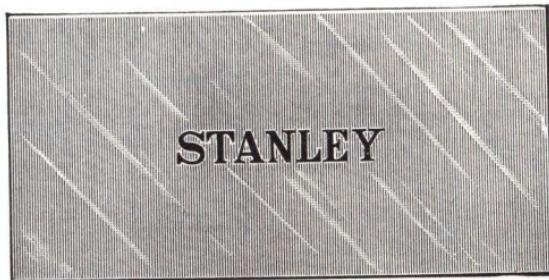


The blade of this Scraper may be sprung to a slight curve by the thumb-screw shown at the center of cut, which will be found a great advantage in working with this tool.

No.

**80** Raised Handles, 11 inches, 2 3/4 inch Blade.

**STANLEY'S HAND SCRAPER**



These Scrapers are made from the same high grade steel we use in our Plane Irons, and are given a special temper for this purpose.

**0** Sizes, 2 1/2 x 5, 3 x 4, 3 x 5, 3 x 6, 3 1/2 x 6 inches.

**IMPROVED WOOD SCRAPER**

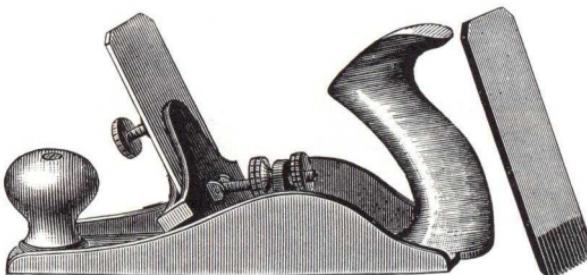


This Scraper can be adjusted to any desired pitch, and may be worked toward or from the person using it. The Roller acts as a support to relieve the strain on the wrist and hands of the workman. The Handle can be detached for working into corners.

**83** Wood Scraper, with Handles and Roller, 3 inch Blade.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**ADJUSTABLE SCRAPER PLANE**



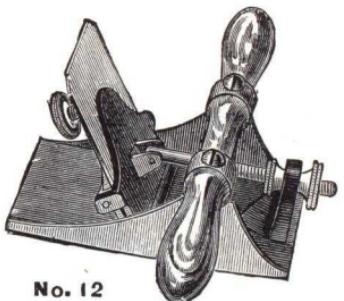
This Tool is used for scraping and finishing Veneers or Cabinet work. It can be used equally well as a Tooth Plane; and will do excellent work in scraping off old paint and glue.

Cutters for Tooothing can be furnished having either 22, 28, or 32 teeth to the inch. An extra charge is made for each Tooothing Cutter.

No.

**112** Adjustable Scraper, 9 inches in Length, 3 inch Cutter.

**ADJUSTABLE VENEER SCRAPER**



No. 12

This tool takes the same cutters as Scraper Plane No. 112 described above. For many kinds of work its peculiar form is of great advantage.

**No. 12** Adjustable Veneer Scraper, 3 inch Cutter.

**ADJUSTABLE BELT MAKERS' PLANE**

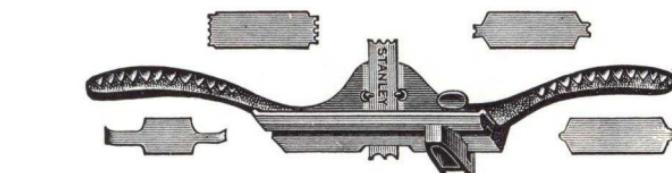
This Tool is used by Belt Makers, for chamfering down the laps of a Belt, before fastening them together. It is equally well adapted to use in repairing Belts in all large manufacturing establishments.

**No. 11** Belt Makers' Plane,  
 $2\frac{3}{8}$  inch Cutter.



No. 11

**STANLEY'S UNIVERSAL HAND BEADER**



**Sample of Work done by Beader**

No.

**66** Nickel-plated, with seven Steel Cutters.

For Beading, Reeding or Fluting, straight or irregular surfaces and for all kinds of light Routing. With a square gauge for straight, and oval gauge for curved work.

Both ends of the Cutters are sharpened, thus embracing six ordinary sizes of Beads, four sets of Reeds, two Fluters, and a double Router Iron ( $\frac{1}{8}$  and  $\frac{1}{4}$  inch).



**SINGLE HANDED  
BEADER**



For Beading, Reeding or Fluting  
Diagonal Lines, etc.

**69** Nickel-plated, with six Steel Cutters and one Blank.

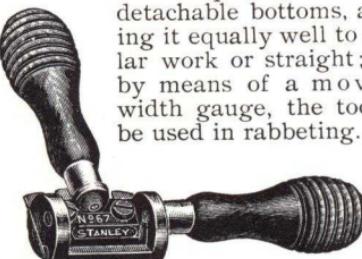
ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**STANLEY'S UNIVERSAL SPOKE SHAVE**



Both Handles are detachable, and either of them can be screwed into a socket on top of the stock, thus enabling the owner to work into corners, or panels, as no other spoke shave can do.

This Spoke Shave has two detachable bottoms, adapting it equally well to circular work or straight; and, by means of a movable width gauge, the tool can be used in rabbeting.



No.

**67** Universal Spoke Shave.

**PATENT CHAMFER SPOKE SHAVE**



This Tool can be easily adjusted by means of the thumbscrews attached to the Guides; and will chamfer an edge any desired width up to  $1\frac{1}{2}$  inch.

**65** Raised Handle,  $1\frac{1}{2}$  inch Cutter.

**PATENT ADJUSTABLE BOX SCRAPER**



An excellent Box Scraper, and also well adapted for planing floors.

**70** Malleable Iron, 2 inch Steel Cutter.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**BAILEY'S IRON SPOKE SHAVES**

The Spoke Shaves in the following List are superior in style, quality and finish to any in market, and are in perfect working order when sent from the factory. They can be hung up, as a hole is made in each Handle.



No.

**51** Double Iron, Raised Handle, 10 inches, 2 $\frac{1}{8}$  inch Cutter.



**52** Double Iron, Straight Handle, 10 inches, 2 $\frac{1}{8}$  inch Cutter.



**53** Adjustable, Raised Handle, 10 inches, 2 $\frac{1}{8}$  inch Cutter.



**54** Adjustable, Straight Handle, 10 inches, 2 $\frac{1}{8}$  inch Cutter.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**BAILEY'S IRON SPOKE SHAVES**



No.

**55** Model Double Iron, Hollow Face, 10 inches, 2 1/8 inch Cutter.



**Style of Nos. 56 and 56 1-2**

**56** Coopers' Spoke Shave, 18 inches, 2 5/8 inch Cutter.

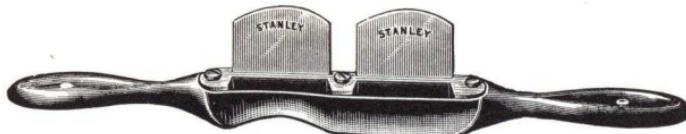
**56 1/2** Coopers' Spoke Shave (Heavy), 19 inches, 4 inch Cutter.

**57** Coopers' Spoke Shave (Light), 18 inches, 2 1/8 inch Cutter.



**58** Model Double Iron, 10 inches, 2 1/8 inch Cutter.

**59** Single Iron (Pattern of No. 56), 10 inches, 2 1/8 inch Cutter.



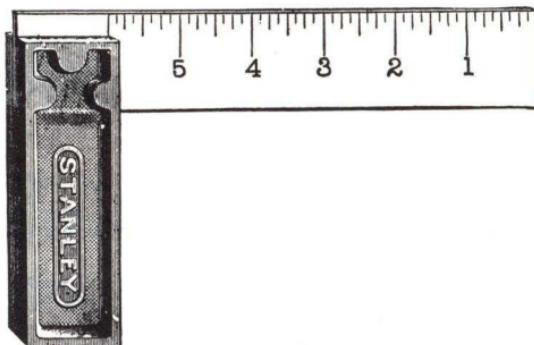
**60** Double Cutter, Hollow and Straight, 10 inches, 1 1/2 inch Cutter.



**64** Straight Handle, 9 inches, 1 3/4 inch Cutter (with Thumb Screw).

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**IRON HANDLE TRY SQUARES**

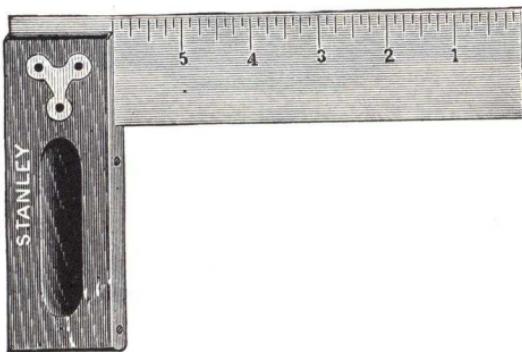


**No. 12**

Nickel-plated Handles Square inside and out. Blades Graduated in inches or Metric System, as desired.

Made with blades of following lengths: 2, 4, 6, 8, 10 and 12 inches.

**ROSEWOOD HANDLE TRY SQUARES**



**No. 20**

The Handle has a brass Face Plate which is attached and rigidly held in position by means of screws. Blades Graduated in inches or Metric System as desired.

Handles of these Try Squares have the Handy Grip.

Made with Blades of following lengths. 3 4½, 6, 7½, 9, 10 12, 15 and 18 inches.

The 15 and 18 inch have a rest in Handle.

**EUREKA FLUSH T BEVELS**

These Bevels have Nickel-plated Metallic Handles. The Blade is easily secured at any angle by turning the Thumb Screw at the lower end of the Handle.

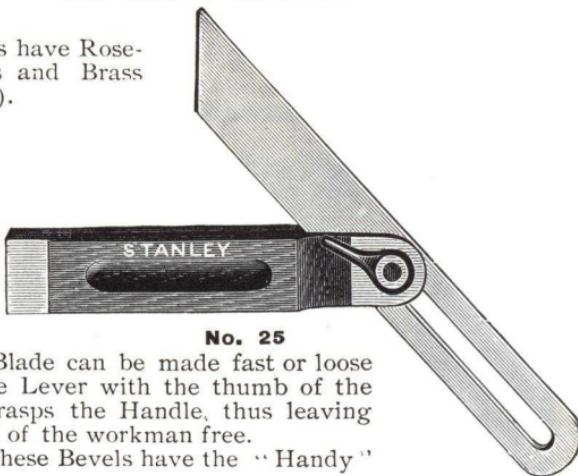


**No. 18**

Made with Blades of following lengths: 6, 8 and 10 inches

**SLIDING T BEVELS**

These Bevels have Rose-wood Handles and Brass Levers (Flush).



**No. 25**

The Bevel Blade can be made fast or loose by moving the Lever with the thumb of the hand which grasps the Handle, thus leaving the other hand of the workman free.

Handles of these Bevels have the "Handy" Grip.

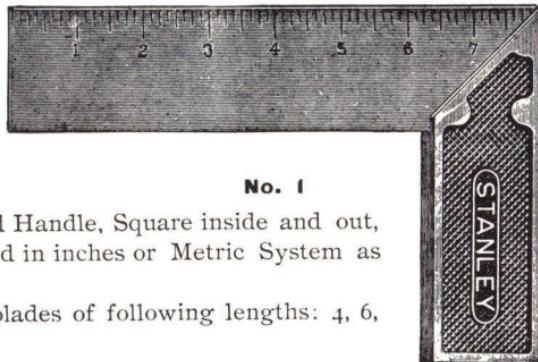
Bevels with Thumb Screws will be furnished if so ordered.

Made with Blades of following lengths: 6, 8, 10, 12 and 14 inches.

**WINTERBOTTOM'S  
COMBINED TRY AND MITRE SQUARE**

This Tool can be used with equal convenience and accuracy as a Try Square or a Mitre Square. By simply changing the position of the handle and bringing the mitred face at the top of the handle against one edge of the work in hand, a perfect mitre, or angle of 45 degrees, can be struck from either edge of the blade.

**IRON HANDLE**

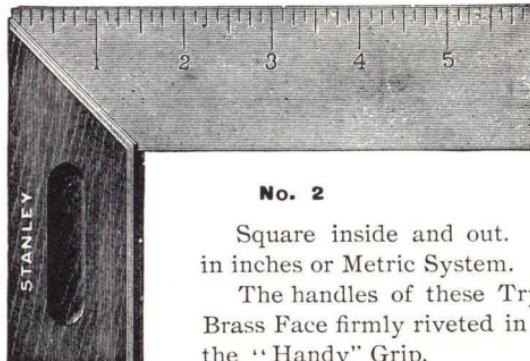


**No. 1**

Nickel-plated Handle, Square inside and out, Blades graduated in inches or Metric System as desired.

Made with blades of following lengths: 4, 6, 8 inches.

**ROSEWOOD HANDLE**



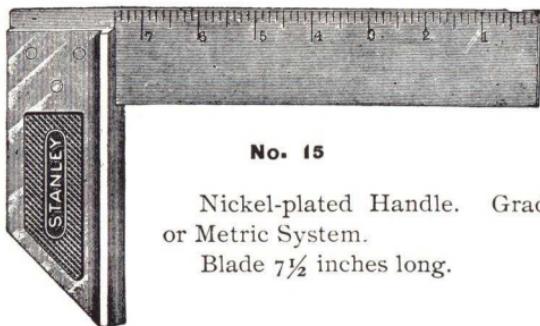
**No. 2**

Square inside and out. Blades graduated in inches or Metric System.

The handles of these Try Squares have a Brass Face firmly riveted in position and also the "Handy" Grip.

Made with blades of following lengths: 4½, 6, 7½, 9, 12 inches.

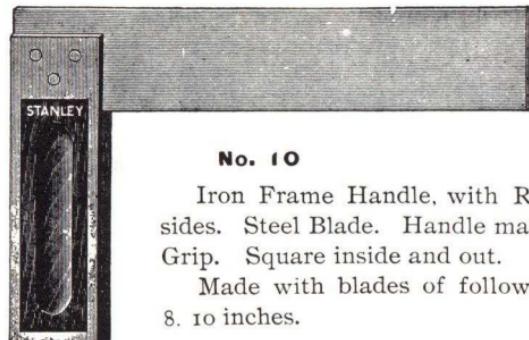
ALL HARDWARE DEALERS SELL "STANLEY" TOOLS



**IMPROVED  
MITRE TRY  
SQUARE**

**No. 15**

Nickel-plated Handle. Graduated in inches or Metric System.  
Blade  $7\frac{1}{2}$  inches long.



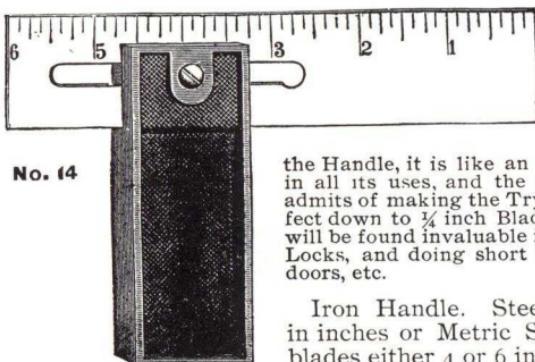
**INLAID  
TRY  
SQUARE**

**No. 10**

Iron Frame Handle, with Rosewood (Inlaid) sides. Steel Blade. Handle made with "Handy" Grip. Square inside and out.

Made with blades of following lengths: 4, 6, 8, 10 inches.

**ADJUSTABLE TRY SQUARE**

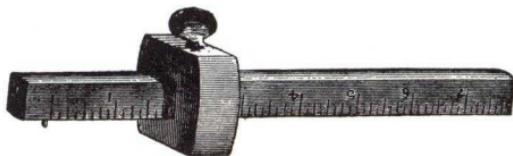


**No. 14**

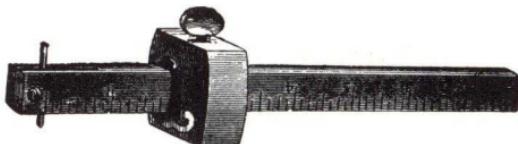
The Blade of this Square can be firmly and accurately secured in its seat, at any point. When the Blade is carried fully to the front of the Handle, it is like an ordinary Try Square in all its uses, and the moving of the Blade admits of making the Try Square equally perfect down to  $\frac{1}{4}$  inch Blade, or less. This Tool will be found invaluable in putting on Butts or Locks, and doing short work about windows, doors, etc.

Iron Handle. Steel Blade graduated in inches or Metric System. Made with blades either 4 or 6 inches long.

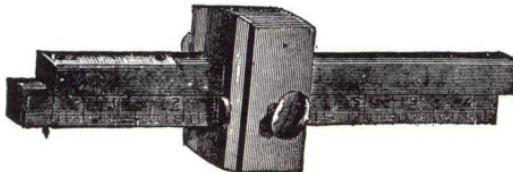
**GAUCES**



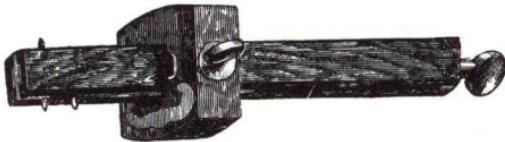
No. 61



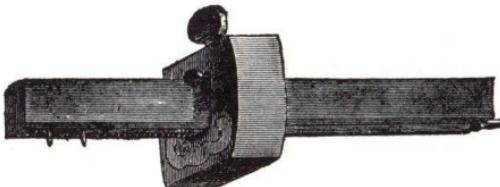
No. 65



No. 71



No. 77



No. 73

## GAUCES

 All Marking Gauges, excepting Nos 0 and 61, have an Adjusting Point of finely tempered steel, which may be readily removed and replaced if it needs sharpening.

All Gauges with Brass Thumb Screws have also a brass shoe inserted in the head, under the end of the Thumb Screw. This Shoe protects the gauge-bar from being dented by the action of the screw.

No.

- 0** Marking Gauge, Beechwood Boxwood Thumb Screw, Marked, Steel Point.
- 61** Marking Gauge, Beechwood Boxwood Thumb Screw, Oval Bar, Marked, Steel Point.
- 62** Patent Marking Gauge, Beechwood, Polished, Boxwood Thumb Screw, Oval Bar, Marked Adjusting Steel Point.
- 64** Patent Marking Gauge, Polished, Plated Head, Boxwood Thumb Screw, Oval Bar, Marked Adjusting Steel Point.
- 64½** Patent Marking Gauge, Polished Oval Plated Head, Brass Thumb Screw and Shoe, Oval Bar, Marked, Adjusting Steel Point.
- 65** Patent Marking Gauge, Boxwood, Polished, Plated Head, Brass Thumb Screw and Shoe, Oval Bar, Marked Adjusting Steel Point.
- 70** Cutting Gauge, Mahogany, Polished, Plated Head, Boxwood Thumb Screw, Oval Bar, Marked, Steel Cutter.
- 71** Patent Double Gauge (Marking and Mortise Gauge combined), Beechwood, Polished, Plated Head and Bars, Brass Thumb Screws and Shoes, Oval Bars, Marked, Steel Points.
- 72** Patent Double Gauge (Marking and Mortise Gauge combined), Beechwood, Polished, Boxwood Thumb Screws, Oval Bars, Marked, Steel Points.
- 74** Patent Double Gauge (Marking and Mortise Gauge combined), Boxwood, Polished, Full Plated Head and Bars, Brass Thumb Screws and Shoes, Oval Bars, Marked, Steel Points.
- 73** Patent Mortise Gauge, Boxwood, Polished, Plated Head, Brass Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points.
- 76** Patent Mortise Gauge, Boxwood, Polished, Plated Head, Screw Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points.
- 68** Mortise Gauge, Plated Head, Adjustable Wood Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points.
- 77** Patent Mortise and Marking Gauge, Rosewood, Plated Head, Improved Screw Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked Steel Points.

**PANEL GAUGES**



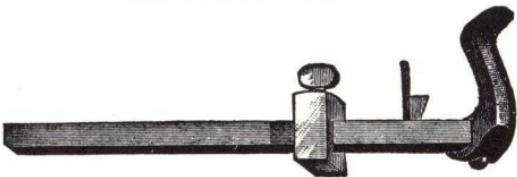
**CUT SHOWS GAUGE No. 85**

No.

**85** Panel Gauge, Beechwood, Boxwood Thumb Screw, Oval Bar, Steel Points, 18 inches long

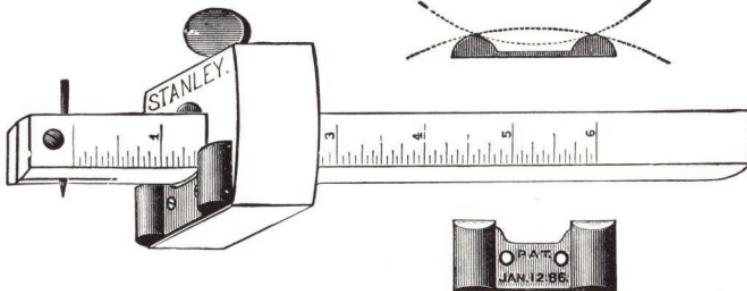
**85½** Panel Gauge, Rosewood, Plated Head and Bar, Brass Thumb Screw and Shoe, Steel Point, 20½ inches long.

**SLITTING GAUGE**



**84** Handled Slitting Gauge, with Roller, 17-inch Bar, Marked.

**STANLEY'S IMPROVED GAUGES**



The Brass Face, with two ribs attached to one side of the Gauge-head (see Engraving), will enable the owner to run a gauge-line with perfect steadiness and accuracy around curves of any degree, and either concave or convex. The Gauge-head is reversible, and the flat side can be used for all ordinary work.

Any style of Gauge found in this Catalogue, pages 62 and 63—with this valuable improvement included—may be ordered as Nos. 161, 162, etc., instead of Nos. 61, 62, etc.

**STANLEY'S BUTT AND RABBET GAUGE  
FOR HANGING DOORS, MORTISING, MARKING, ETC.**

This Gauge has two bars, both of brass, one movable within the other. The two steel blades or markers at the extreme end of the inner bar can be moved to any position by means of thumb screw at opposite end of Gauge.

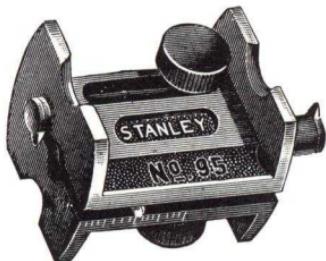


No.

**92 Improved Butt and Rabbet Gauge.**

**IMPROVED BUTT GAUGE**

Has one bar with two steel cutters fixed upon it. When the cutter at the outer end of this bar is set for gauging on the edge of the door, the cutter at the inner end of the bar is already set for gauging from the back of the jamb. The other bar has a steel cutter to accurately gauge for the thickness of the butt.



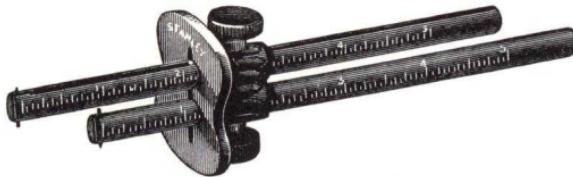
**95 Nickel-plated Butt Gauge.**

**IMPROVED MARKING AND MORTISE GAUGES**

The steel points are attached very near the ends of the bars, to admit of being used close up into a rabbet or corner. The head of the Marking Gauge can be turned over, for a broad or narrow bearing, as desired.

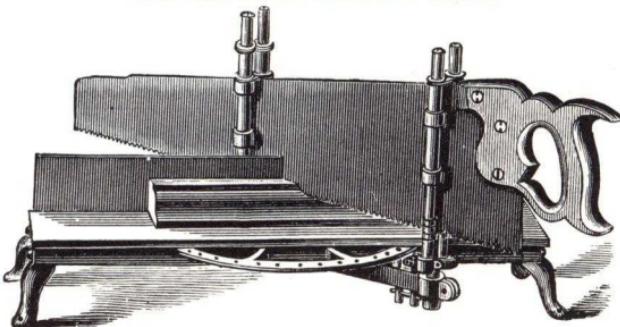


**90 Nickel-plated Butt Gauge.**



**91 Nickle-plated Marking and Mortise Gauge.**

**IMPROVED MITRE BOX**



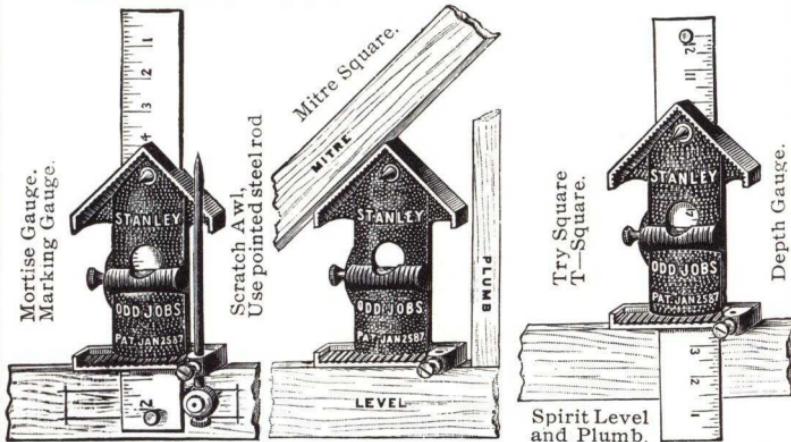
This Mitre Box can be used with a Back Saw or a Panel Saw equally well. If a Back Saw is used, both links which connect the rollers, or guides, are left in the upper grooves, and the back of the saw is passed through under the links.

If a Panel Saw is used, the link which connects the rollers on the back spindle is changed to the lower groove: and then the blade of the saw will be stiffly supported by both sets of rollers, and work like a Back Saw.

No. 50 Mitre Box, 20 inches.

60 Mitre Box, 20 inches, with 20 inch Back Saw.

**STANLEY'S "ODD-JOBS"-(Ten Tools In One)**



A Mechanic who has this Tool to use on his Rule, can do all ordinary Jobs with only a Saw, a Hammer and a Plane in addition.

The tool is now sent out with a 12 inch Graduated Ruler inserted in it; and near one end of the Ruler is an Adjustable Steel Point. This addition greatly facilitates the use of this unique tool, already favorably known to Mechanics, Amateurs and Housekeepers.

No. 1 Odd-Jobs, Nickel-plated, with Rule.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

### STANLEY'S CLAPBOARD (SIDING) MARKER



This ingenious tool can be used with one hand, while the other is employed in holding a clapboard in position.

The marking blade is easily adjusted to any thickness of clapboard, or siding.

The sharp edges of the teeth are just parallel with the legs when placed against the corner-board or window casing.

By moving the tool half an inch, it will mark a full line across the clapboard, exactly over and conformed to the edge of the corner-board.

There is then no difficulty in sawing for a perfectly close Joint.

No. 88 Metal Stock, Wood Handle, Steel Blade.

### STANLEY'S CLAPBOARD (SIDING) GAUGE

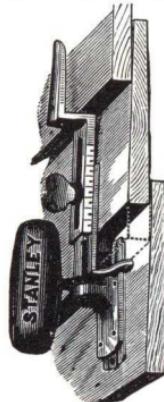
A simple and practical Clapboard Gauge, or Holder, is needed by Carpenters; and is offered to them in this tool.

Two thin Steel Blades, which form a part of the base of the tool, will slide under the last clapboard already laid (see broken corner in engraving).

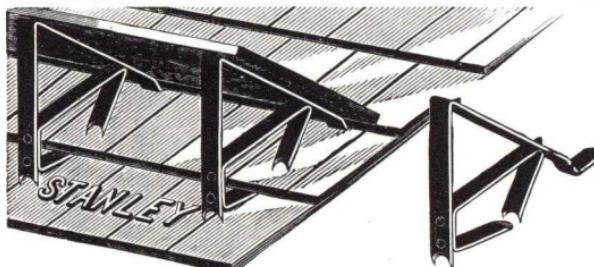
When the bottom of the Gauge is brought firmly up to the lower edge of the clapboard, press the handle over sideways, and this will force another thin blade down into the next lower clapboard, rendering the tool immovable.

The clapboard to be laid can be held any width to the weather, by means of the graduated scale on the tool; and after the tool is released, the mark left is so slight that painting alone will fill it.

No. 89 Metal Stock, Wood Handle, Steel Blade.



### STANLEY'S PATENT ROOFING BRACKET.



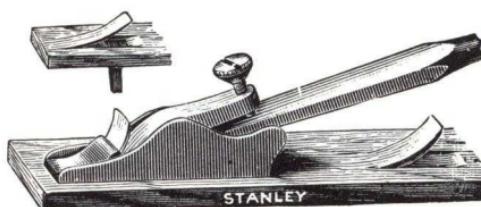
The parts are of Spring Steel and firmly riveted together. Push the beveled ends up under two layers of shingles already nailed down; the Bracket will then have two separate bearings on

the roof, and is so formed that any increase of pressure from above increases its stability. Two steel spurs project above the horizontal surface of the Bracket, to secure the staging boards.

One dozen per minute can be placed in position, or removed; and great economy in lumber and nails will be found. There are no loose parts to get lost; and no nail-holes are made in the roof. In constant use these Brackets will last a life-time.

No. 1 Roofing Brackets, 8 inches.

### STANLEY'S ADJUSTABLE CHISEL GAUGE



Attach to a  $\frac{1}{4}$  inch Chisel (with beveled edge up) and a shaving of any desired thickness can be raised, for blind-nailing or for inlaying wood strips in ornamental surface work.

No

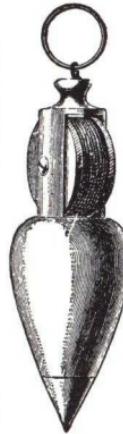
**96** Chisel Gauge.  
Steel Stock.

### ADJUSTABLE PLUMB BOBS

These plumb Bobs are constructed with a reel at the upper end, upon which the line may be kept, and by dropping the bob with a slight jerk, while the ring is held in the hand, any desired length of line may be reeled off. A spring, which has its bearing on the reel, will check and hold the bob firmly at any point on the line. The pressure of the springs may be increased, or decreased, by means of the screw which passes through the reel. A suitable length of line comes already reeled on each Plumb Bob

No

- 1** (Small) Bronze Metal, with Steel Point.
- 2** (Large) Bronze Metal, with Steel Point
- 5** (Large) Iron, with Steel Point.



### WHEELER'S COUNTERSINK FOR WOOD

This countersink works equally well for every variety of screws. The Countersink cuts rapidly, and is easily sharpened by drawing a thin file lengthwise inside of the cutter. By fastening the Gauge at a given point, any number of screws may be driven so as to leave the heads flush with the surface, or at a uniform depth below it.

No.

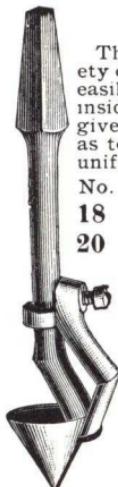
- 18** Countersinks.
- 20** Countersinks, with Gauge.



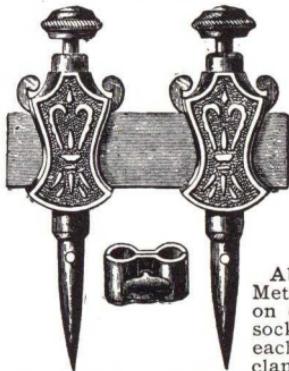
### IMPROVED DOWEL SHARPENER

This Tool is the reverse of the Countersink and can be sharpened with equal ease. By its use Dowel Pins can be sharpened rapidly and uniformly

- 22** Dowel Sharpener.



### IMPROVED TRAMMEL POINTS



**Style of Nos. 1, 2, 3** These Tools are used by Mill  
wrights, Machinists, Carpenters, and  
all Mechanics having occasion to strike  
arcs or circles larger than can be con-  
veniently done with ordinary Com-  
pass dividers.

No.

**1** (Small) Br'ze Metal, Steel Points

**2** (Medium) Br'ze Metal, Steel Points.

**3** (Large) Br'ze Metal, Steel Points.

Above are made of Bronze  
Metal, and have Steel Points,  
on either of which a pencil  
socket (which accompanies  
each pair) can be firmly  
clamped close up to the main  
stock. The pencil will thus

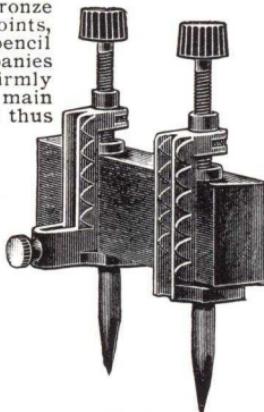
be secured at a point nearer the work than is  
possible by any other method

No.

**4** Nickel-plated, with Steel Points.

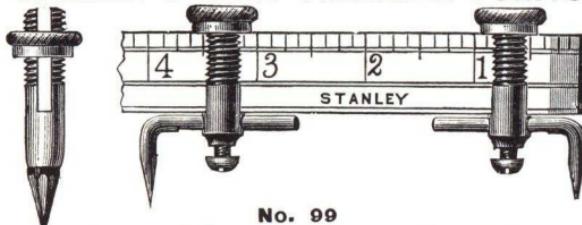
These new Trammel Points are so con-  
structed that they can be attached to one  
side of any straight stick, without exact  
regard to its size, and are thus quickly  
adjusted for use.

The peculiar form of the socket makes  
it possible to use an ordinary sized pen-  
cil, or a full sized oval shaped Carpen-  
ters' pencil.



**No. 4**

### STANLEY'S RULE TRAMMEL POINTS



**NO. 99**

A practical form of Trammel Points, adapted for convenient  
use on a Carpenter's Rule. They can be attached to Folding  
Rules of any ordinary width; and on many kinds of work will take  
the place of regular Trammel Points, Calipers or Dividers.

A complete set consists of two Brass Trammel Heads with  
movable Steel Points, and one Head with a Pencil Socket.

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NEW BRITAIN, CONN., U. S. A.

**U. S. WEIGHTS AND MEASURES**

**LONG MEASURE (Measures of Length)**

Ins	Feet	Yards	Fath.	Rods	Furl.	Mile
12	=	1				
36	=	3	=	1		
72	=	6	=	2	=	1
198	=	16½	=	5½	=	2¾
7920	=	660	=	220	=	110
63360	=	5280	=	1760	=	880
						320 = 8 = 1

6080.26 Feet = 1.15 Statute Miles = 1 Nautical Mile or Knot.

**SQUARE MEASURE (Measures of Surface)**

Sq Ins	Sq. Feet	Sq Yards	Sq Rods	Roods	Acre
144	=	1			
1296	=	9	=	1	
39204	=	272¼	=	30¼	= 1
1568160	=	10890	=	1210	= 40 = 1
6272640	=	43560	=	4840	= 160 = 4 = 1
					640 Acres = 1 Square Mile.

An Acre = a square whose side is 69.57 Yards or 208.71 Feet.

**CUBIC MEASURE (Measures of Volume)**

Cu. Ins.	Cu. Feet	Cu. Yard
1728	=	1
46656	=	27 = 1

A Cord of Wood = 128 Cubic Feet, being 4 feet  $\times$  4 feet  $\times$  8 feet  
42 Cubic Feet = a Ton of Shipping.

1 Perch of Masonry = 24¾ Cubic Feet, being 16½ feet  $\times$  1½ feet  $\times$  1 foot.

**LIQUID OR WINE MEASURE**

The U. S. Standard Gallon measures 231 Cubic Inches, or 8.33888 Pounds Avoirdupois of pure water, at about 39.85 degrees Fahr., the Barometer at 30 Inches.

Gills	Pints	Quarts	Gallons	Tierces	Hogsheads	Puncheons	Pipes	Tun	Cubic Inches
4	=	1							28.375
8	=	2	=	1					57.75
32	=	8	=	4	=	1			231.
1344	=	336	=	168	=	42	=	1	
2016	=	504	=	252	=	63	=	1½	
2488	=	672	=	336	=	84	=	2	
4032	=	1008	=	504	=	126	=	3	
8064	=	2016	=	1008	=	252	=	6	
								= 4	
								= 3	
								= 2	
								= 1	

A Cubic Foot contains 7½ Gallons

The British Imperial Gallon contains 277.27 Cubic inches and = 1.2 U. S. Gallons.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

## U. S. WEIGHTS AND MEASURES

### DRY MEASURE

The Standard Bushel contains 2150.42 Cubic Inches, or 77.627013 Pounds Avoirdupois of pure water at maximum density. Its legal dimensions are 18½ Inches diameter inside, 19½ Inches outside, and 8 Inches deep; and when heaped the cone must be 6 Inches high, making a heaped Bushel equal to 1½ struck ones.

Pints	Quarts	Gallons	Pecks	Bushels	Cubic Inches.
2	=	1	=		67.2
8	=	4	=	1	268.8
16	=	8	=	2	537.6
64	=	32	=	8	2150.42

The British Imperial Bushel contains 2218.2 Cubic Inches and = 1.03 U. S. Bushels.

### AVOIRDUPOIS OR COMMERCIAL WEIGHT

The Grain is the same in Troy, Apothecaries and Avoirdupois Weights.

The Standard Avoirdupois Pound is the weight of 27.7015 Cubic Inches of distilled water weighed in the air at 35.85 degrees Fahr., Barometer at 30 Inches. 27.343 Grains = 1 Drachm.

Drachms	Ozs.	Lbs.	Long Qrs.	Long Cwt.	Long Ton
16	=	1			
256	=	16	=	1	
7168	=	448	=	28	=
28672	=	1792	=	112	=
573440	=	35840	=	2240	=
				80	=
				20	=
					1

The above Table gives what is known as the Long Ton. The Short Ton weighs 2000 Pounds.

### TROY WEIGHT

For Gold, Silver and Precious Metals.

Grains	Dwts.	Ozs.	Lbs.
24	=	1	
480	=	20	=
5760	=	240	=
		12	=
			1

175 Pounds Troy = 144 Avoirdupois.

Pounds Avoirdupois  $\times$  .82296 = Pounds Troy.

Pounds Troy  $\times$  1.2153 = Pounds Avoirdupois.

The Jewelers' Carat is equal in the United States, to 3.2 Grains; in London, to 3.17 Grains; in Paris, to 3.18 Grains.

### APOTHECARIES WEIGHT

United States and British.

In Troy and Apothecaries Weights, the Grain, Ounce and Pound are the same.

Grams	Scraples	Drachms	Ozs.	Lbs.
20	=	1		
60	=	3	=	1
480	=	24	=	8
5760	=	288	=	96
			=	12
			=	1

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NEW BRITAIN, CONN., U. S. A.

**THE METRIC SYSTEM**

**WEIGHTS**

Metric Denominations and Values.

Names	No. Grams.	Weight of what quantity of water at maximum density.	Equivalents in Denominations in use. Avoirdupois Weight.
Millier or tonneau	1,000,000	1 cubic meter	2204.6 pounds
Quintal	100,000	1 hectoliter	220.46 pounds
Myriagram	10,000	10 liters	22.046 pounds
Kilogram or kilo	1,000	1 liter	2.2046 pounds
Hectogram	100	1 deciliter	3.5274 ounces
Dekagram	10	10 c. centimeters	0.3527 ounce
Gram	1	1 c. centimeter	15.432 grains
Decigram	.1	.1 c. centimeter	1.5432 grains
Centigram	.01	10 c. millimeters	0.1543 grain
Milligram	.001	1 c. millimeter	0.0154 grain

**MEASURES OF LENGTH**

Metric Denominations and Values.

Myriameter	10,000 meters	=	6,2137 miles
Kilometer	1,000 meters	=	0.62137 mile, or 3,280 feet 10 inches
Hectometer	100 meters	=	328 feet and 1 inch
Dekameter	10 meters	=	393.7 inches
Meter	1 meter	=	39.37 inches
Decimeter	.1 of a meter	=	3.937 inches
Centimeter	.01 of a meter	=	0.3937 inch
Millimeter	.001 of a meter	=	0 0394 inch

**MEASURES OF SURFACE**

Metric Denominations and Values.

Hectare	10,000 square meters	=	2.471 acres
Are	100 square meters	=	119 6 square yards
Centare	1 square meter	=	1.550 square inches

**MEASURES OF CAPACITY**

Metric Denominations and Values.

Names.	No. Liters.	Cubic Measure.	Equivalents in Denominations in use.
			Dry Measure. Wine Measure.
Kiloliter	1,000	= 1 cubic meter	= 1.308 cubic yards = 264.17 gallons
Hectoliter	100	= .1 cubic meter	= 2 bush 3 35 pecks = 26.417 gallons
Decaliter	10	= 10 c. decimeters	= 9.08 quarts = 2.6417 gallons
Liter	1	= 1 c. decimeter	= 0.908 quart = 1.0567 quarts
Deciliter	.1	= .1 c. decimeter	= 6.1022 cubic inches = 0.845 gill
Centiliter	.01	= 10 c. centimeters	= 0.6102 cubic inches = 0.338 fluid oz.
Milliliter	.001	= 1 c. centimeter	= 0.061 cubic inches = 0.27 fluid dr.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**"UNITED STATES" AND "METRIC" CONSTANTS**

**LONG MEASURE**

Millimeters	×	.03937	=	inches
Millimeters	÷	25.4	=	inches
Centimeters	×	.3937	=	inches
Centimeters	÷	2.54	=	inches
Meters	=	39.37	=	inches (Act of Congress)
Meters	×	3.281	=	feet
Meters	×	1.094	=	yards
Kilometers	×	.621	=	miles
Kilometers	÷	3280.7	=	feet
Kilometers	÷	1.6093	=	miles

**SQUARE MEASURE**

Square millimeters	×	.0155	=	square inches
Square millimeters	÷	645.1	=	square inches
Square centimeters	×	1.55	=	square inches
Square centimeters	÷	6.451	=	square inches
Square meters	×	10.764	=	square feet
Square kilometers	×	247.1	=	acres
Hectares	×	2.471	=	acres

**CUBIC MEASURE**

Cubic centimeters	÷	16.383	=	cubic inches
Cubic centimeters	÷	3.69	=	fluid drachm (U. S. P.)
Cubic centimeters	÷	29.57	=	fluid ounce (U. S. P.)
Cubic meters	×	35.315	=	cubic feet
Cubic meters	×	1.308	=	cubic yards
Cubic meters	×	264.2	=	gallons (231 cubic inches)

**LIQUID MEASURE**

Liters	×	61.022	=	cubic inches (Act of Congress)
Liters	×	33.84	=	fluid ounces (U. S. Phar.)
Liters	×	.2642	=	gallons (231 cubic inches)
Liters	÷	3.78	=	gallons (231 cubic inches)
Liters	÷	28.316	=	cubic feet
Hectoliters	×	3.531	=	cubic feet
Hectoliters	×	2.84	=	bushels (2150.42 cubic inches)
Hectoliters	×	.131	=	cubic yards
Hectoliters	÷	26.42	=	gallons (231 cubic inches)

**WEIGHTS**

Grammes	×	15.432	=	grains (Act of Congress)
Grammes	×	981	=	dynes
Grammes (water)	÷	29.57	=	fluid ounces
Grammes	÷	28.35	=	ounces avoirdupois
Grammes per cubic centimeter	÷	27.7	=	pounds per cubic inch
Joule	×	.7373	=	foot pounds
Kilograms	×	2.2046	=	pounds
Kilograms	×	35.3	=	ounces avoirdupois
Kilograms	÷	1102.3	=	tons (2,000 pounds)
Kilograms	×	per square centimeter	14.223	= pounds per square inch

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NEW BRITAIN, CONN., U. S. A.

**CIRCUMFERENCES, AREAS, SQUARES, CUBES,  
SQUARE AND CUBE ROOTS**

Advancing by 8ths and 4ths.  
1 to 934.

Dia. or No.	Cir- cum.	Area.	Sq're	Cube.	Sqr Root.	Cube Root.	Dia. or No.	Cir- cum.	Area.	Sq're	Cube.	Sqr Root.	Cube Root.	
1	3.14	7.854	1.	1.	1.	1.	.2	.628	.0314	.04	.008	.447	.585	
$\frac{1}{8}$	3.53	.994	1.27	1.42	1.060	1.040	.4	1.26	.1256	.16	.064	.633	.737	
$\frac{3}{4}$	3.93	1.227	1.56	1.95	1.118	1.077	.6	1.88	.2827	.36	.216	.775	.843	
$\frac{5}{8}$	4.32	1.485	1.89	2.60	1.73	1.112	.8	2.51	.5026	.64	.512	.894	.928	
$\frac{1}{2}$	4.71	1.767	2.25	3.38	1.225	1.145	1.	3.14	.7854	1.	1.	1.	1.	
$\frac{9}{8}$	5.11	2.074	2.64	4.29	1.275	1.176	.2	3.77	1.131	1.44	.1.73	1.095	1.063	
$\frac{3}{4}$	5.50	2.405	3.06	5.36	1.323	1.205	.4	4.39	1.593	1.96	2.74	1.183	1.119	
$\frac{5}{8}$	5.89	2.761	3.52	6.59	1.369	1.233	.6	5.02	2.011	2.56	4.10	1.265	1.170	
2	6.28	3.142	4.	8.	1.414	1.260	.8	5.65	2.545	3.24	5.83	1.342	1.216	
$\frac{1}{8}$	6.68	3.547	4.52	9.59	1.458	1.286	2.	6.28	3.142	4.	8.	1.414	1.260	
$\frac{3}{4}$	7.07	3.976	5.06	11.39	1.5	1.310	.2	6.91	3.801	4.84	10.65	1.483	1.301	
$\frac{5}{8}$	7.46	4.430	5.64	13.40	1.541	1.334	.4	7.53	4.524	5.76	13.82	1.549	1.339	
$\frac{1}{2}$	7.85	4.909	6.25	15.63	1.581	1.358	.6	8.16	5.309	6.76	17.58	1.612	1.375	
$\frac{9}{8}$	8.25	5.412	6.89	18.08	1.620	1.380	.8	8.79	6.158	7.84	21.95	1.673	1.409	
$\frac{3}{4}$	8.64	5.940	7.56	20.79	1.658	1.402	3.	9.42	7.069	9.	.27	1.732	1.442	
$\frac{5}{8}$	9.03	6.492	8.27	23.76	1.695	1.422	.2	10.05	7.548	10.24	32.77	1.789	1.474	
3	9.42	7.07	9.	27.	1.732	1.442	.4	10.68	8.553	11.56	39.30	1.844	1.504	
$\frac{1}{8}$	9.82	7.67	9.77	30.52	1.768	1.462	.6	11.30	10.18	12.96	46.66	1.897	1.533	
$\frac{3}{4}$	10.21	8.30	10.56	34.32	1.803	1.482	.8	11.93	11.34	14.44	54.87	1.949	1.560	
$\frac{5}{8}$	10.60	8.95	11.39	38.44	1.837	1.5	4.	12.56	12.57	16.	64.	2.	1.587	
$\frac{1}{2}$	11.00	9.62	12.25	42.88	1.871	1.518	.2	13.19	13.85	17.64	74.09	2.049	1.613	
$\frac{9}{8}$	11.39	10.32	13.14	47.63	1.904	1.535	.4	13.82	15.21	19.36	85.18	2.098	1.639	
$\frac{3}{4}$	11.78	11.05	14.06	52.73	1.936	1.553	.6	14.45	16.62	21.16	97.34	2.145	1.663	
$\frac{5}{8}$	12.17	11.79	15.02	58.17	1.968	1.570	.8	15.08	18.10	23.04	110.6	2.191	1.687	
4	12.57	12.57	16.	64.	2.	1.587	5.	15.70	19.63	25.	.125	2.236	1.710	
$\frac{1}{4}$	13.35	14.19	18.06	76.78	2.061	1.619	.2	16.33	21.24	27.04	140.6	2.280	1.732	
$\frac{3}{4}$	14.14	15.90	20.	91.13	2.121	1.651	.4	16.96	22.90	29.	16.157.5	2.324	1.754	
$\frac{5}{8}$	14.92	17.72	22.56	107.16	2.179	1.681	.6	17.59	24.63	31.36	175.6	2.366	1.776	
5	15.71	19.63	25.	125.	2.236	1.710	.8	18.22	26.42	33.64	195.1	2.408	1.797	
$\frac{1}{4}$	16.49	21.64	27.56	144.70	2.291	1.738	6.	18.84	28.27	36.	.216	2.449	1.817	
$\frac{3}{4}$	17.28	23.76	30	25.166.37	2.345	1.765	.2	19.47	30.19	38.44	238.3	2.490	1.837	
$\frac{5}{8}$	18.06	25.97	33.06	190.11	2.398	1.792	.4	20	30.32	47.	40.96	262.1	2.530	1.857
6	18.85	28.29	36.	216.	2.449	1.817	.6	20.73	34.21	43.56	287.5	2.569	1.876	
$\frac{1}{4}$	19.64	30.68	39.06	244.14	2.5	1.832	.8	21.36	36.32	46.24	314.4	2.608	1.895	
$\frac{3}{4}$	20.42	33.18	42.25	274.63	2.550	1.866	7.	21.99	38.48	49.	.343	2.646	1.913	
$\frac{5}{8}$	21.21	35.78	45.56	307.55	2.599	1.890	.2	22.61	40.72	51.84	373.2	2.688	1.931	
7	21.99	38.48	49.	343.	2.646	1.913	.4	23.24	43.01	54.76	405.2	2.720	1.949	
$\frac{1}{4}$	22.78	41.28	52.56	381.08	2.692	1.935	.6	23.87	45.36	57.76	439.	2.757	1.966	
$\frac{3}{4}$	23.56	44.18	56.25	421.88	2.739	1.957	.8	24.50	47.78	60.84	474.6	2.793	1.983	
$\frac{5}{8}$	24.35	47.17	60.06	465.48	2.784	1.979	8.	25.13	50.27	64.	.512	2.828	2.	
8	25.13	50.26	64.	512.	2.828	2.	.2	25.76	52.81	67.	.24	551.4	2.864	2.017
$\frac{1}{4}$	25.92	53.46	68.06	561.52	2.872	2.021	.4	26.38	55.42	70.56	592.7	2.898	2.033	
$\frac{3}{4}$	26.70	56.75	72.25	614.12	2.915	2.041	.6	27.01	58.09	73.96	636.1	2.933	2.049	
$\frac{5}{8}$	27.49	60.13	76.56	669.92	2.958	2.061	.8	27.64	60.82	77.44	681.5	2.966	2.065	
9	28.27	63.62	81.	729.	3.	2.080	9.	28.27	63.62	81.	.729	3.	2.080	
$\frac{1}{4}$	29.06	67.20	85.56	791.45	3.041	2.098	.2	28.90	66.48	84.64	778.7	3.038	2.095	
$\frac{3}{4}$	29.85	70.88	90.25	857.37	3.082	2.118	.4	29.53	69.40	88.36	880.6	3.066	2.110	
$\frac{5}{8}$	30.63	74.66	95.06	926.86	3.122	2.136	.6	30.15	72.38	92.16	884.7	3.098	2.125	
							.8	30.78	75.43	96.04	941.2	3.130	2.140	

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**CIRCUMFERENCES, AREAS, SQUARES, CUBES,  
SQUARE AND CUBE ROOTS**

NOTE.—To find the 4th power (or biquadrate) of a number multiply the square by the square.

To find the 4th root extract the square root twice in succession.

Diameters 10 to 99.

Dia. or No.	Cir- cum.	Area.	Sqr.	Cube	Sqr. Root.	Cube Root.	Dia. or No.	Cir- cum.	Area.	Sqr.	Cube	Sqr. Root.	Cube Root.
10	31.41	78.54	100	1000	3.162	2.154	55	172.8	2375.8	3025	166375	7.416	3.803
11	34.55	95.03	121	1331	3.317	2.234	56	175.9	2463.0	3126	175616	7.483	3.826
12	37.69	113.0	144	1728	3.464	2.289	57	179.1	2551.8	3249	185193	7.550	3.849
13	40.84	132.7	169	2197	3.606	2.351	58	182.2	2642.1	3364	195112	7.616	3.871
14	43.98	153.9	196	2744	3.742	2.410	59	185.4	2734.0	3481	205879	7.681	3.893
15	47.12	176.7	225	3375	3.873	2.466	60	188.5	2827.4	3600	216000	7.746	3.915
16	50.26	201.0	256	4096	4.	2.520	61	191.6	2922.5	3721	226981	7.810	3.937
17	53.40	226.9	289	4913	4.123	2.571	62	194.8	3019.1	3844	238328	7.874	3.958
18	56.54	254.4	324	5832	4.243	2.621	63	197.9	3117.3	3969	250047	7.937	3.979
19	59.69	288.5	361	6859	4.359	2.668	64	201.1	3217.0	4096	262144	8.	4.
20	62.83	314.1	400	8000	4.472	2.714	65	204.2	3318.3	4225	274625	8.062	4.021
21	65.97	346.3	441	9261	4.583	2.759	66	207.3	3421.2	4356	287496	8.124	4.041
22	69.11	380.1	484	10648	4.690	2.802	67	210.5	3525.7	4489	300763	8.185	4.061
23	72.25	415.4	529	12167	4.796	2.844	68	213.6	3631.7	4624	314432	8.246	4.082
24	75.39	452.3	576	13824	4.899	2.885	69	216.8	3739.3	4761	328509	8.307	4.102
25	78.54	490.8	625	15625	5.	2.924	70	219.9	3848.5	4900	343000	8.367	4.121
26	81.68	530.9	676	17576	5.099	2.963	71	223.1	3959.3	5041	357911	8.426	4.141
27	84.82	572.5	729	19683	5.196	3.	72	226.2	4071.5	5184	373248	8.485	4.160
28	87.96	615.7	784	21952	5.292	3.037	73	229.3	4185.4	5329	389017	8.544	4.179
29	91.10	660.5	841	24389	5.385	3.072	74	232.5	4300.8	5476	405224	8.602	4.198
30	94.24	706.8	900	27000	5.477	3.107	75	235.6	4417.9	5625	421875	8.660	4.217
31	97.39	754.8	961	29791	5.565	3.141	76	238.8	4536.5	5776	438976	8.718	4.236
32	100.5	804.2	1024	32768	5.657	3.175	77	241.9	4656.6	5929	465533	8.775	4.254
33	103.7	855.3	1089	35937	5.745	3.208	78	245.0	4778.4	6084	474552	8.832	4.273
34	106.8	907.9	1156	39304	5.831	3.240	79	248.2	4901.7	6241	493039	8.888	4.291
35	110.	962.1	1225	42875	5.916	3.271	80	251.3	5026.6	6400	512000	8.944	4.309
36	113.1	1017.9	1296	46656	6.	3.302	81	254.5	5153.0	6561	531441	9.	4.327
37	116.2	1075.2	1369	50653	6.083	3.332	82	257.6	5281.0	6724	551368	9.056	4.345
38	119.4	1134.1	1444	54872	6.164	3.362	83	260.8	5410.6	6889	571787	9.110	4.362
39	122.5	1194.6	1521	59319	6.245	3.391	84	263.9	5541.8	7056	592704	9.165	4.379
40	125.7	1256.6	1600	64000	6.325	3.420	85	267.0	5674.5	7225	614125	9.220	4.397
41	128.8	1320.3	1681	68921	6.403	3.448	86	270.2	5808.8	7396	636056	9.274	4.414
42	131.9	1385.4	1764	74088	6.481	3.476	87	273.3	5944.7	7569	658503	9.327	4.431
43	135.1	1452.2	1849	79507	6.557	3.503	88	276.5	6082.1	7744	681472	9.381	4.448
44	138.2	1520.5	1936	85184	6.633	3.530	89	279.6	6221.2	7921	704969	9.434	4.465
45	141.4	1590.4	2025	91125	6.708	3.557	90	282.7	6361.7	8100	729000	9.487	4.481
46	144.5	1661.9	2116	97386	6.782	3.588	91	285.9	6503.9	8281	753751	9.539	4.498
47	147.7	1734.9	2209	103882	6.856	3.609	92	289.0	6647.6	8464	778688	9.592	4.514
48	150.8	1809.6	2304	10592	6.928	3.634	93	292.2	6792.9	8649	804357	9.644	4.531
49	153.9	1885.7	2401	117649	7.	3.659	94	295.2	6939.8	8836	830584	9.695	4.547
50	157.1	1963.5	2500	125000	7.071	3.684	95	298.5	7088.2	9025	857375	9.747	4.563
51	160.2	2042.8	2601	132651	7.141	3.708	96	301.6	7238.2	9216	884736	9.798	4.579
52	163.4	2123.7	2704	140608	7.211	3.733	97	304.7	7389.8	9409	912673	9.849	4.595
53	166.5	2206.2	2809	148877	7.280	3.756	98	307.9	7543.0	9604	941192	9.899	4.610
54	169.6	2290.2	2916	157464	7.348	3.780	99	311.9	7697.7	9801	970209	9.950	4.626

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

**CUT NAILS AND TACKS.**

**THE TERM "PENNY" AS APPLIED TO NAILS.**

The origin of the terms "six-penny," "ten-penny," etc., as applied to nails, though not commonly known, is involved in no mystery whatever. Nails have been made a certain number of pounds to the thousand for many years and are still reckoned in that way in England, a ten-penny being a thousand nails to ten pounds, a six-penny a thousand nails to six pounds, a twenty-penny weighing twenty pounds to the thousand; and, in ordering, buyers call for the three-pound, six-pound, or ten pound variety, etc., until, by the Englishmen's abbreviation of "pun" for "pound," the abbreviation has been made to stand for penny, instead of pound, as originally intended.

**LENGTH AND NUMBER OF CUT NAILS TO THE POUND**

SIZE.	Length.	Common.	Clinch.	Fence.	Finishing.	Fine.	Barrel.	Casing.	Brads.	Tobacco.	Cut Spikes.
5/4....	3/4 in	...	...	...	...	...	800	...	...	...	...
7/8....	5/8	...	...	...	...	...	500	...	...	...	...
2d....	1	800	...	...	1100	1000	376	...	...	...	...
3d....	1 1/4	480	...	...	720	760	224	...	...	...	...
4d....	1 1/2	288	...	...	523	368	180	398	...	...	...
5d....	1 3/4	200	...	...	410	...	...	...	...	130	...
6d....	2	168	96	84	268	...	...	224	126	96	...
7d....	2 1/4	124	74	64	188	...	...	...	98	82	...
8d....	2 1/2	88	62	48	146	...	...	128	75	68	...
9d....	2 3/4	70	53	36	130	...	...	110	65	...	28
10d....	3	58	46	30	102	...	...	91	55	...	...
12d....	3 1/4	44	42	24	76	...	...	71	40	...	...
16d....	3 1/2	34	38	20	62	...	...	54	27	...	22
20d....	4	23	33	16	54	...	...	40	...	...	14 1/2
30d....	4 1/2	18	20	...	...	...	...	33	...	...	12 1/2
40d....	5	14	...	...	...	...	...	27	...	...	9 1/2
50d....	5 1/2	10	...	...	...	...	...	...	...	...	8
60d....	6	8	...	...	...	...	...	...	...	...	6
...	6 1/2	...	...	...	...	...	...	...	...	...	5 1/2
...	7	...	...	...	...	...	...	...	...	...	4 1/2
...	8	...	...	...	...	...	...	...	...	...	2 1/2

**NUMBER OF TACKS IN A POUND**

Title.	Length.	No. per lb.	Title.	Length.	No. per lb.
1 ounce.	3/16 inch.	16,000	10 ounce	11/16 inch.	1,600
1 1/2 ounce.	7/32 inch.	10,666	12 ounce	3/4 inch.	1,332
2 ounce.	1/4 inch.	8,000	14 ounce	13/16 inch.	1,143
2 1/2 ounce.	5/16 inch.	6,400	16 ounce.	7/8 inch.	1,000
3 ounce.	5/8 inch.	5,332	18 ounce.	15/16 inch.	888
4 ounce.	7/16 inch.	4,000	20 ounce.	1 inch.	800
6 ounce.	9/16 inch.	2,666	22 ounce.	1 1/16 inch.	727
8 ounce.	5/8 inch.	2,000	24 ounce.	1 1/8 inch.	666

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

STANLEY RULE AND LEVEL COMPANY 77  
NEW BRITAIN, CONN., U. S. A.

PROPERTIES OF TIMBER

Description.	Weight per cubic foot in lbs.	Tensile Strength per sq. in. in lbs.	Crushing Strength per sq. in. in lbs.	Relative Strength for Cross Breaking White Pine equal 100.	Shearing Strength with the Grain lbs. per sq. in.
Ash.....	43 to 55.8	11,000 to 17,207	4,400 to 9,363	130 to 180	458 to 700
Beech.....	43 to 53.4	11,500 to 18,000	5,800 to 9,363	100 to 144	.....
Cedar.....	50 to 56.8	10,300 to 11,400	5,600 to 6,000	55 to 63	.....
Cherry.....	.....	.....	.....	130	.....
Chestnut.....	33	10,500	5,350 to 5,600	96 to 123	.....
Elm.....	34 to 36.7	13,400 to 13,489	6,831 to 10,331	96	.....
Hemlock.....	.....	8,700	5,700	88 to 95	.....
Hickory.....	.....	12,800 to 18,000	8,925	150 to 210	.....
Locust.....	44	20,500 to 24,800	9,113 to 11,700	132 to 227	.....
Maple.....	49	10,500 to 10,584	8,150	122 to 220	367 to 647
Oak, White.....	45 to 54.5	10,253 to 19,500	4,684 to 9,509	130 to 177	752 to 966
Oak, Live.....	70	.....	6,850	155 to 189	.....
Pine, White.....	30	10,000 to 12,000	5,000 to 6,650	100	225 to 423
Pine, Yellow.....	28.8 to 33	12,600 to 19,200	5,400 to 9,500	98 to 170	286 to 415
Spruce.....	.....	10,000 to 19,500	5,050 to 7,850	86 to 110	253 to 374
Walnut, Black.....	42	9,286 to 16,000	7,500	.....	.....

The above table should be taken with caution, as there is often very wide variations in any species.

APPROXIMATE WEIGHT AND STRENGTH OF CORDAGE

Circumference in inches.	Diameter in inches.	Weight of 100 fathoms or 600 feet in lbs.	Weight of 100 fathoms Tarred in lbs.	Strength of new Ropes in lbs.	No. of feet in 1 lb.
6 thd	3/16 in.	12	17	540	50 feet
9 "	1/4 "	18	24	780	33 " 4 in.
12 "	5/16 "	24	34	1000	25 "
15 "	3/8 "	30	45	1280	20 "
1 1/4 in.	7/16 "	37	50	1562	17 " 8 in.
1 1/2 "	1/2 "	46	55	2250	13 "
1 3/4 "	9/16 "	65	85	3062	9 " 3 in.
2 "	5/8 "	80	100	4000	7 " 6 in.
2 1/4 "	3/4 "	98	125	5000	6 "
2 1/2 "	13/16 "	120	155	6250	5 "
2 3/4 "	7/8 "	142	190	7500	4 " 3 in.
3 "	1 "	170	225	9000	3 " 6 in.
3 1/4 "	1 1/16 "	200	265	10500	3 "
3 1/2 "	1 1/8 "	230	300	12250	2 " 7 in.
3 3/4 "	1 1/4 "	271	350	14000	2 " 3 in.
4 "	1 5/16 "	310	405	16000	1 " 11 in.
4 1/4 "	1 3/8 "	346	455	18062	1 " 8 in.
4 1/2 "	1 1/2 "	390	510	20250	1 " 6 in.
4 3/4 "	1 9/16 "	435	575	22500	1 " 5 in.
5 "	1 5/8 "	480	640	25000	1 " 3 in.
5 1/2 "	1 3/4 "	581	775	30250	1 "
6 "	2 "	678	930	36000	10 2/3 in.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

### ROOFING SLATE

TABLE OF SIZES AND NUMBER OF SLATES IN ONE SQUARE OF ROOF.

1 Square = 100 Square feet.

Size in Inches.	No. of Slate in a Square.	Size in Inches.	No. of Slate in a Square.	Size in Inches.	No. of Slate in a Square.	Size in Inches.	No. of Slate in a Square.
6x12	533	9x14	291	10x18	192	11x22	137
7x12	457	10x14	261	11x18	174	12x22	126
8x12	400	12x14	218	12x18	160	14x22	108
9x12	355	8x16	277	14x18	137	12x24	114
10x12	320	9x16	246	10x20	169	14x24	98
12x12	266	10x16	221	11x20	154	16x24	86
7x14	374	12x16	185	12x20	141	14x26	89
8x14	327	9x18	213	14x20	121	16x26	78

The weight of a square of Slate is estimated in a general way (varying according to the thickness of the different makes) at from 600 to 700 lbs. per square

#### WEIGHT PER SQUARE FOOT.

Thickness.....	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{1}{2}$
Weight.....	1.81	2.71	3.62	5.43	7.25	9.06	10.87	14.5 lbs.

Weight per cubic foot, 174 pounds.

It requires, on account of laps, an average of nearly  $2\frac{1}{2}$  square feet of slate to make one of slating.

### PINE SHINGLES

NUMBER AND WEIGHT OF PINE SHINGLES TO COVER ONE SQUARE OF ROOF.

1 Square = 100 Square feet.

Number of inches Exposed to weather.	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6
Number of Shingles per Square of roof	900	800	720	655	600
Weight in lbs. of shingles on one Square of roof.....	216	192	173	157	144

The number of shingles per square is for common gable roofs. For hip roofs, add 5% to these figures. The weights per square are based on the number per square.

### SKYLIGHT GLASS

THE WEIGHTS OF VARIOUS SIZES AND THICKNESSES OF FLUTED OR PLATE GLASS REQUIRED FOR ONE SQUARE OF ROOF.

1 Square = 100 Square feet.

Dimensions in inches.....	12x48	15x60	20x100	94x156
Thicknesses in inches.....	3.1/6	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Area in Square feet.....	3.997	6.246	13.880	101.768
Weight in lbs. per Square of roof.....	250	350	500	700

In the above table no allowance is made for lap.

ALL HARDWARE DEALERS SELL "STANLEY" TOOLS

TABLE OF RELATIVE VALUE OF NON-CONDUCTING MATERIAL

Substances	Value	Substances	Value
* Loose Wool.....	3.35	Loam, dry and open.....	.55
* Loose Lampblack.....	1.12	Chalk, ground, Spanish white.....	.51
* Geese Feathers.....	1.08	Coal Ashes.....	.35 to .49
* Felt, Hair or Wool.....	1.00	Gashouse Carbon.....	.47
* Carded Cotton.....	1.00	Asbestos Paper.....	.47
* Charcoal from Cork.....	.87	Paste of Fossil Meal and Asbes-	
Mineral Wool.....	.68 to .83	tos.....	.47
Fossil Meal.....	.66 to .79	Asbestos, fibrous.....	.36
* Straw Rope wound spirally.....	.77	Plaster of Paris, dry.....	.34
* Rice Shaff, loose.....	.76	Clay, with vegetable fibre.....	.34
Carbonate Magnesia.....	.67 to .76	Anthracite Coal powdered.....	.29
* Charcoal from Wood .....	.63 to .75	Coke, in lumps.....	.27
* Paper.....	.50 to .74	Air space, undivided.....	.14 to .22
* Cork.....	.71	Sand.....	.17
* Sawdust.....	.61 to .68	Baked Clay, Brick.....	.07
Paste of Fossil Meal and Hair.....	.63	Glass.....	.05
Wood Ashes.....	.61	Stone.....	.02
* Wood across grain.....	.40 to .55		

\* These substances are combustible and sometimes dangerous.

BRICK WORK.

Brickwork work is estimated by the thousand, and of various thicknesses of wall, runs as follows:

8 $\frac{1}{4}$  inch Wall, or 1 Brick in thickness, 14 Bricks per superficial foot

12 $\frac{3}{4}$  inch Wall, or 1 $\frac{1}{2}$  Brick in thickness, 21 Bricks per superficial foot

17 inch Wall, or 2 Brick in thickness, 28 Bricks per superficial foot

21 $\frac{1}{2}$  inch Wall, or 2 $\frac{1}{2}$  Brick in thickness, 35 Bricks per superficial foot

An ordinary Brick measures about 8 $\frac{1}{4}$  x 4 x 2 inches, which is equal to 66 cubic inches or 26.2 Bricks to a cubic foot. The average weight is 4 $\frac{1}{2}$  Lbs

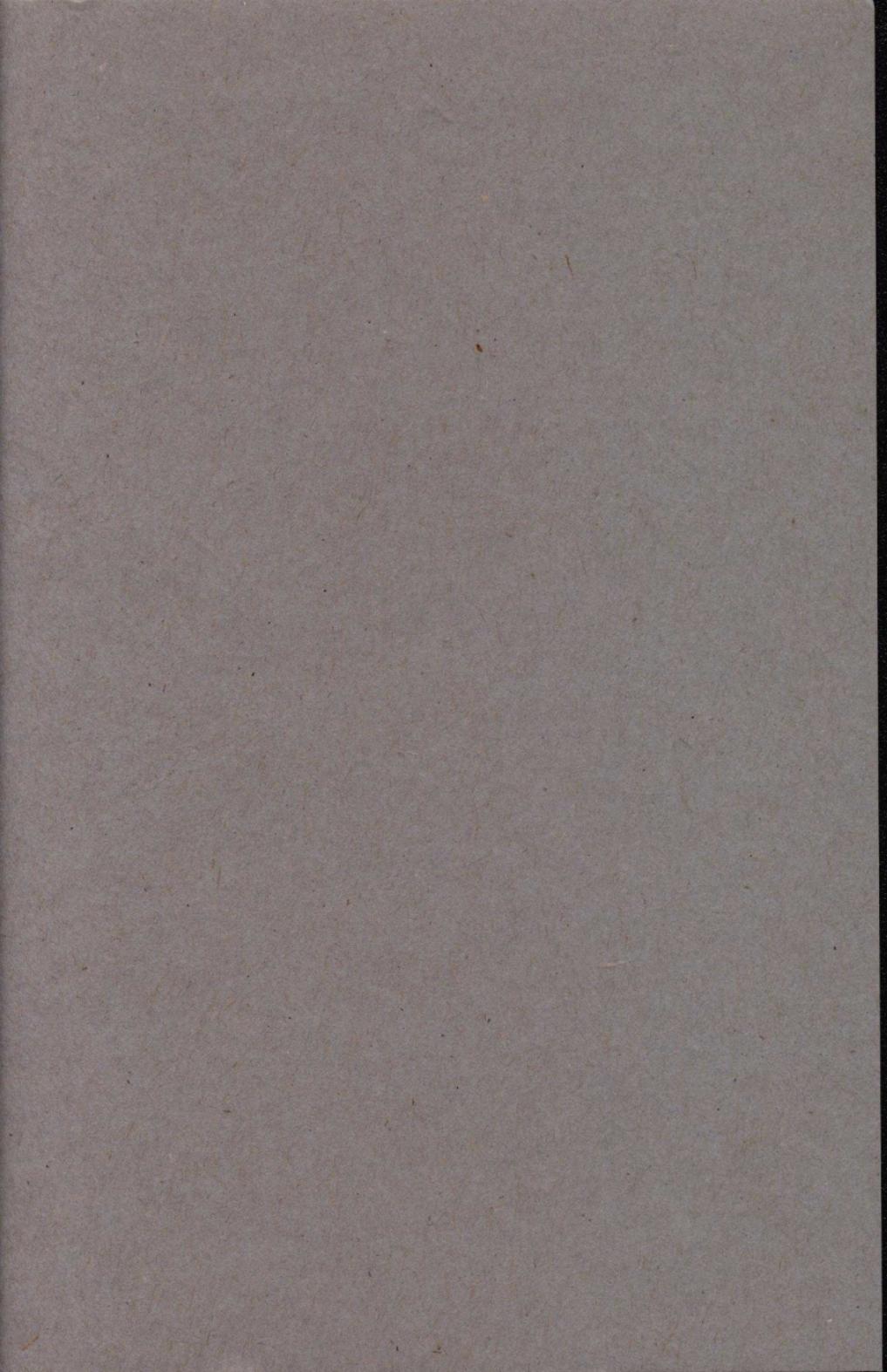
APPROXIMATE WEIGHTS OF VARIOUS ROOF COVERINGS

For preliminary estimates the weights of Various Roof Coverings may be taken as below:—

Name	Weights in lbs. per Square of Roof. (100 sq. ft.)
Cast Iron Plates, $\frac{3}{8}$ inch thick.....	1500
Copper.....	80-125
Felt and Asphalt.....	100
Felt and Gravel.....	800-1000
Iron Corrugated.....	100-375
Iron Galvanized Flat.....	100-350
Lath and Plaster.....	900-1000
Sheathing, Pine 1 inch thick, yellow northern.....	300
Sheathing, Pine 1 inch thick, yellow southern.....	400
Spruce, 1 inch thick.....	200
Sheathing, Chestnut or Maple, 1 inch thick.....	400
Sheathing, Ash, Hickory or Oak, 1 inch thick.....	500
Sheet Iron, 1/16 inch thick.....	300
Sheet Iron, 1/16 inch thick, and laths.....	500
Shingles, Pine.....	200
Slates, $\frac{1}{4}$ inch thick.....	900
Skylights (Glass, 3 /16 to $\frac{1}{2}$ inch thick).....	250-700
Sheet Lead.....	500-800
Thatch.....	650
Tin.....	70-125
Tiles, Flat.....	1500-2000
Tiles (Grooves and Fillets).....	700-1000
Tiles, Pan.....	1000
Tiles, with Mortar.....	2000-3000
Zinc.....	100 200

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Beading and Matching	41	COUNTERSINKS . . . . .	68
Belt Makers . . . . .	53	TRAMMEL POINTS . . . . .	69
Carriage Makers . . . .	45		
Chamfer . . . . .	44		
Circular . . . . .	44		
Combination No. 45 .	47		



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